



Nutrien
Ag Solutions®



+ SEED GUIDE +
2024



GROWING WITH CONFIDENCE

Selecting the right seed for your farm is the most important crop input decision you make. The team of experts at your Nutrien Ag Solutions® retail is there to support you every step of the way. Every growing season brings fresh potential for success and the first step is making well-informed seed decisions. As a local partner invested in your unique vision of success we want you to be confident in your choice of seed. Nutrien Ag Solutions is ready to help with one of the broadest portfolios of top-quality seed brands – including Proven® Seed canola, soybeans, corn, cereals and forages.

IT STARTS WITH SEED

Selecting the right seed genetics for your geography and farming style is key to achieving your production goals. By taking a whole acre approach to your seed decisions, your Nutrien Ag Solutions Crop Production Advisor (CPA) can provide insights on which seed will give you the best yield and profitability for your land.

PRECISION FARMING

Get the most out of your inputs with precision agriculture. Exclusive to Nutrien Ag Solutions, Echelon™ is our best-in-class precision agriculture solution, providing growers with a unique model for using Variable Rate Technology (VRT) to create a variable rate recommendation that is based on your field history. Precision agriculture can improve the profitability and productivity of every square metre of your farm, while making daily operations easier and more efficient.

PROVEN SCIENCE

Nutrien Ag Solutions operates the largest seed variety comparison program in Western Canada. Our Proven Performance Trials feature the most varieties of the most crops over the largest geographic diversity. It's just one of the ways Nutrien Ag Solutions delivers the best retail knowledge and experience.



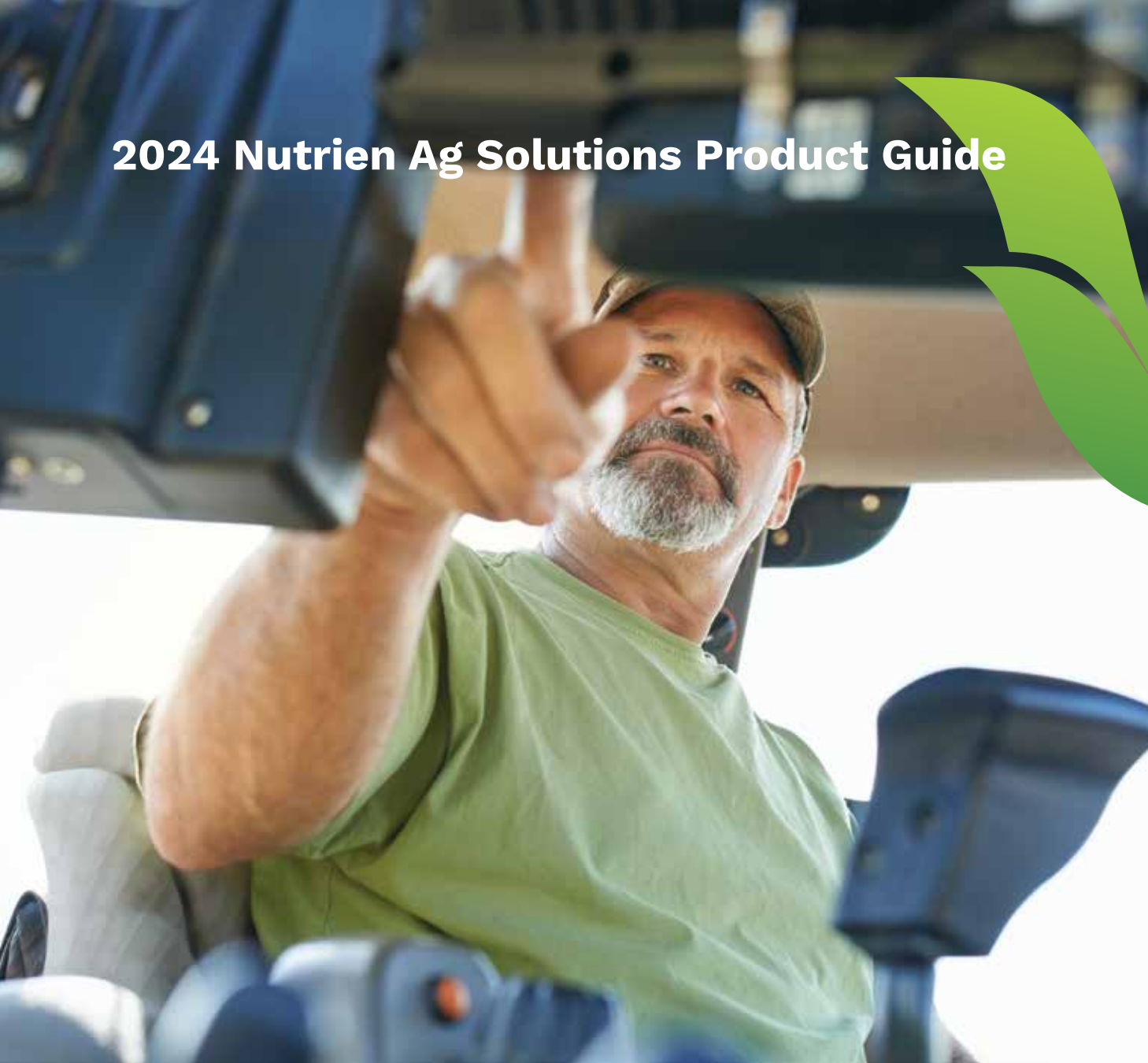
Nutrien
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***MAKE A STRONG START TO
THE GROWING SEASON***

Call or visit us today.
***We're ready to help you grow with
confidence.***

NutrienAgSolutions.ca

2024 Nutrien Ag Solutions Product Guide



CANOLA	
Canola Products Legend	2-3
Canola Products	4-17
CORN	
Corn Products Legend	18-19
Corn Products	20-29
SOYBEANS	
Soybean Products Legend.....	30-31
Soybean Products.....	32-39
WHEAT	
Wheat Products Legend.....	40-41
Wheat Products.....	42-47
BARLEY	
Barley Products	48-49
MUSTARD	
Mustard Products	50
FLAX	
Flax Products	51
FORAGES	
Forage Products	52-53
Proven Profits.....	54
Notes.....	55-56



Grow with confidence

Nutrien
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LEGEND

RESISTANCE RATINGS:

R=Resistant, MR=Moderately Resistant, S=Susceptible

RATING SCALE:

- 9 = Excellent
- 7-8 = Very Good
- 5-6 = Good
- 3-4 = Fair
- 1-2 = Poor
- N/A = Not Applicable

Red = New

Important: Ratings are based on the average performance of a variety grown over a wide range of climate and soil types within its adapted maturity under normal growing conditions. Extreme conditions may adversely affect performance. Consult your local Nutrien Ag Solutions Representative for specific recommendations in your area. Copyright © 2023 Nutrien Ag Solutions®

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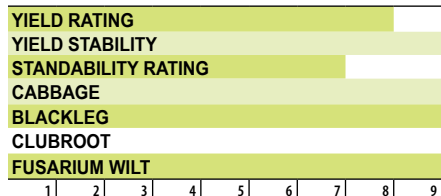
ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. TruFlex® canola contains Roundup Ready® Technology. Roundup Ready® Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Roundup Ready® and TruFlex® are registered trademarks of Bayer Group. Used under license. Bayer CropScience Inc. is a member of Croplife Canada. LibertyLink® and the Water Droplet Design are trademarks of BASF. BUNGE is a trademark of BUNGE Limited (Bermuda Corporation).



	Brand	Variety	Trait	Herbicide Technology	Average Days to Flower	Average Days to Maturity	Height CM	Height inches
	Proven	PV 200 CL	Clearfield	IMI	50.1	89.1	117.0	46.1
NEW	Proven	PV 280 CLC	Clearfield	IMI	51.2	89.8	118.0	46.5
	Proven	PV 660 LCM	LibertyLink	Glufosinate	50.3	89.9	117.0	46.1
NEW	Proven	PV 661 LCM	LibertyLink	Glufosinate	48.7	88.7	118.0	46.5
	Proven	PV 680 LC	LibertyLink	Glufosinate	51.4	90.6	120.0	47.2
	Proven	PV 681 LC	LibertyLink	Glufosinate	48.0	87.8	112.0	44.1

PV 200 CL

CANOLA



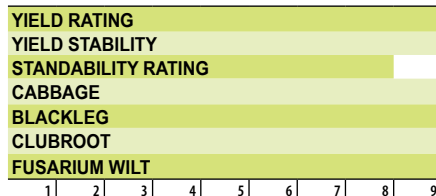
A high performing Clearfield® hybrid with improved standability. PV 200 CL qualifies for non-GMO contracts with premium offerings.

HIGHLIGHTS

- Clearfield hybrid
- Strong standability
- Good blackleg rating
- Non-GMO contract premiums

PV 280 CLC

NEW CANOLA



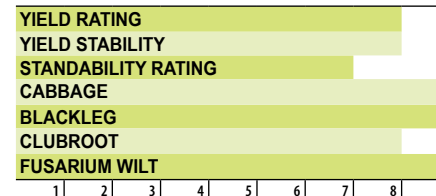
A outstanding Clearfield hybrid with multigenic clubroot resistance and blackleg resistance. PV 280 CLC offers excellent yield and profits through non-GMO contract premiums.

HIGHLIGHTS

- Outstanding yield potential across all canola growing zones in a Clearfield hybrid
- Excellent standability
- Strong blackleg rating
- Eligibility for non-GMO contract incentives

PV 660 LCM

CANOLA



PV 660 LCM is a LibertyLink hybrid with harvest management options for growers and strong clubroot protection.

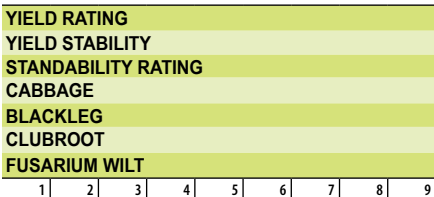
HIGHLIGHTS

- LibertyLink hybrid
- Mid-maturity
- R rating for blackleg
- Harvest flexibility for delayed swathing or straight cut



Yield Description	Blackleg	Clubroot	Variety
Strong	Resistant	N/A	PV 200 CL
Very strong	Resistant	Multigenic clubroot resistance	PV 280 CLC
Strong	Resistant	Resistant	PV 660 LCM
Very strong	Resistant	Multigenic clubroot resistance	PV 661 LCM
Strong	Resistant	Resistant	PV 680 LC
Strong	Resistant	Resistant	PV 681 LC

PV 661 LCM NEW
CANOLA

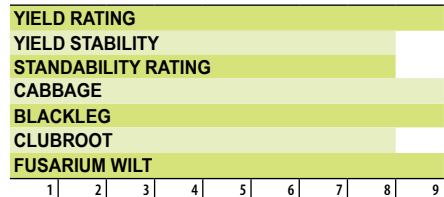


This LibertyLink® hybrid from Proven Seed provides yield performance, harvest management and multigenic clubroot resistance. PV 661 LCM has it all, supplying an exceptional choice for all growing zones across Western Canada.

HIGHLIGHTS

- High-yielding LibertyLink hybrid
- Mid-maturity
- Multigenic clubroot resistance
- Harvest flexibility for delayed swathing or straight cut

PV 680 LC CANOLA

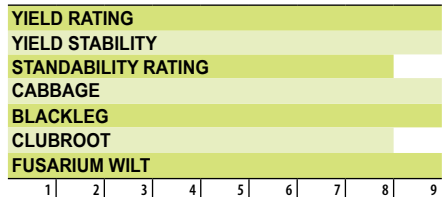


PV 680 LC is a LibertyLink hybrid from Proven Seed with strong resistance to blackleg and clubroot. This hybrid will excel in rotations across Western Canada.

HIGHLIGHTS

- LibertyLink hybrid
- Clubroot resistance
- R rating for blackleg

PV 681 LC CANOLA



Suitable for all growing zones, PV 681 LC is an excellent choice for growers looking for an early maturing LibertyLink hybrid.

HIGHLIGHTS

- LibertyLink hybrid
- Early to mid maturity
- Excellent standability
- Clubroot resistance

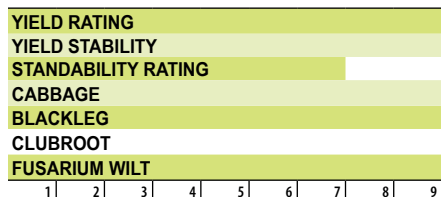


Brand	Variety	Trait	Herbicide Technology	Average Days to Flower	Average Days to Maturity	Height CM	Height inches
Proven	PV 760 TM	TruFlex	Glyphosate	47.0	88.2	109.0	42.9
Proven	PV 761 TM	TruFlex	Glyphosate	49.1	90.3	115.0	45.3
Proven	PV 780 TC	TruFlex	Glyphosate	47.0	88.8	114.0	44.9
NEW Proven	PV 781 TCM	TruFlex	Glyphosate	47.5	89.3	110.0	43.3
NEW Proven	PV 881 OCM	Optimum GLY	Glyphosate	48.8	89.2	115.0	45.3

EXCLUSIVE CONTRACT WITH BUNGE

Proven	Evolve	Roundup Ready	Glyphosate	49.2	89.4	108.0	42.5
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PV 760 TM

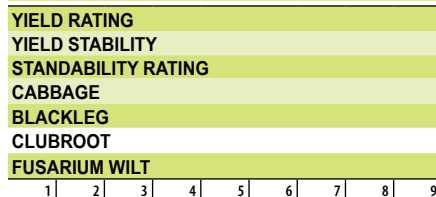


The earliest maturing TruFlex® Canola with harvest management, PV 760 TM brings a wider spray window and offers greater flexibility of herbicide application rate.

HIGHLIGHTS

- Early maturity
- Earliest to flower of our TruFlex hybrids
- Harvest flexibility for delayed swathing or straight cut

PV 761 TM

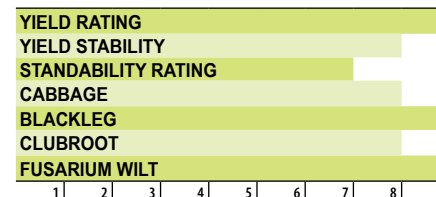


PV 761 TM provides growers flexibility on herbicide rates, application windows and straight cut harvest management. With blackleg protection and standability, this hybrid is designed to perform.

HIGHLIGHTS

- TruFlex canola hybrid with flexibility in application rate and staging
- Mid-maturity
- R rating for blackleg
- Harvest flexibility for delayed swathing or straight cut

PV 780 TC



A TruFlex Canola hybrid with clubroot resistance. PV 780 TC brings a wider spray window and application rate flexibility helping growers maximize yields in all geographies in Western Canada.

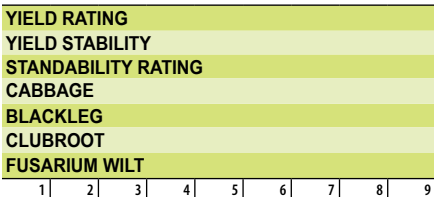
HIGHLIGHTS

- Early to flower maturity
- Clubroot resistance
- R rating for blackleg
- Suitable for all Western Canadian growing regions



Yield Description	Blackleg	Clubroot	Variety
Strong	Resistant	N/A	PV 760 TM
Very strong	Resistant	N/A	PV 761 TM
Strong	Resistant	Resistant	PV 780 TC
Very strong	Resistant	Multigenic clubroot resistance	PV 781 TCM
Very Strong	Resistant	Multigenic clubroot resistance	PV 881 OCM
Strong	Moderately Resistant	N/A	Evolve

PV 781 TCM NEW CANOLA

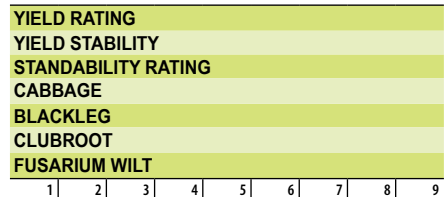


PV 781 TCM is our highest yielding TruFlex canola hybrid, with exceptional performance across Western Canada. It offers multigenic clubroot resistance, a strong blackleg rating, and excellent standability. It is a harvest management hybrid that is suitable for straight cutting.

HIGHLIGHTS

- TruFlex hybrid with outstanding yield
- Early maturity
- Multigenic clubroot resistance
- Harvest flexibility for delayed swathing or straight cut

PV 881 ocm NEW CANOLA

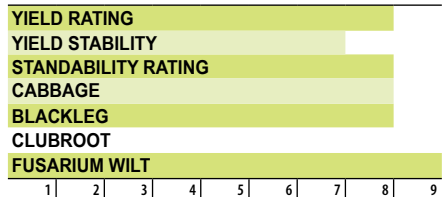


A new multigenic clubroot Proven canola hybrid. PV 881 OCM has Optimum® GLY trait technology that allows flexible herbicide application without impacting yield potential.

HIGHLIGHTS

- Optimum GLY canola hybrid
- Mid-maturity
- Multigenic clubroot resistance
- Harvest flexibility for delayed swathing or straight cut

Evolve



Attractive rapeseed production contracts on high erucic acid (rapeseed) oil exclusively available through BUNGE™.

HIGHLIGHTS

- RR HEAR rapeseed hybrid
- R rating for blackleg
- Attractive production contracts with BUNGE



CANOLA

INVIGOR® CANOLA

Brand	Hybrid	Trait	Herbicide Technology
InVigor	InVigor L350PC	LibertyLink	Glufosinate
InVigor	InVigor LR354PC	LibertyLink and TruFlex	Glufosinate or glyphosate
InVigor	InVigor L340PC	LibertyLink	Glufosinate
InVigor	InVigor L343PC	LibertyLink	Glufosinate
InVigor	InVigor L356PC	LibertyLink	Glufosinate



InVigor L350PC

CANOLA

Looking for a high-yielding hybrid in the mid to long growing zones? InVigor L350PC has it all. It's our highest yielding hybrid in our breeding trials to date, and combines standability, first-generation clubroot resistance and our patented Pod Shatter Reduction technology. It is a great fit for growers who irrigate or when lodging is a concern.



Height	Standability	Blackleg Rating	Clubroot	Growing Zone	Hybrid
Medium	Very strong	R	Resistant	Mid to long growing zones	InVigor L350PC
Medium	Very strong	R	Resistant	Mid to long growing zones	InVigor LR354PC
Medium	Strong	R	Resistant	All growing zones	InVigor L340PC
Medium	Strong	R	Resistant	All growing zones	InVigor L343PC
Medium	Strong	R	Resistant	All growing zones	InVigor L356PC



CANOLA

InVigor LR354PC CANOLA

InVigor Choice LR354PC offers you high yield potential and great standability; with the added flexibility of harnessing both the LibertyLink technology system and TruFlex canola with Roundup Ready® Technology.



InVigor L340PC CANOLA

InVigor L340PC has it all—high yield, Pod Shatter Reduction, first-generation clubroot resistance and strong standability. It is a great fit for growers who irrigate or when lodging is a concern.



InVigor L343PC CANOLA

InVigor L343PC is a go to choice when you need a high yielding second-generation clubroot resistant hybrid. With patented Pod Shatter Reduction this hybrid offers improved standability and yield potential over InVigor L234PC. We recommend growing InVigor L343PC with second generation clubroot resistance after two cycles of growing first generation clubroot-resistant hybrids in clubroot-affected areas or when clubroot symptoms are noticed in first generation clubroot-resistant hybrids (whichever comes first).



INVIGOR® CANOLA



Brand	Hybrid	Trait	Herbicide Technology
InVigor	InVigor L345PC	LibertyLink	Glufosinate
InVigor	InVigor L233P	LibertyLink	Glufosinate
InVigor	InVigor L234PC	LibertyLink	Glufosinate

InVigor L356PC

CANOLA

Showing up strong in the 2022 Demonstration Strip Trials, InVigor L356PC demonstrated high yield potential in the mid to long growing zones. It also combines first-generation clubroot resistance with Pod Shatter Reduction technology and features strong standability.



InVigor L345PC

CANOLA

InVigor L345PC was the highest-yielding hybrid in our 2021 and 2022 Demonstration Strip Trials. You can enhance the standability of InVigor L345PC by avoiding short rotations, fields with high volunteer canola populations, high levels of fertility or under irrigation.



InVigor L233P

CANOLA

InVigor L233P has been grown on more acres than any other InVigor canola hybrid in Western Canada. Featuring patented Pod Shatter Reduction technology, this early-maturing, high-yielding hybrid provides the harvest flexibility you can count on.





Height	Standability	Blackleg Rating	Clubroot	Growing Zone	Hybrid
Medium	Strong	R	Resistant	All growing zones	InVigor L345PC
Medium	Strong	R		All growing zones	InVigor L233P
Medium	Good	R	Resistant	All growing zones	InVigor L234PC

CANOLA

InVigor L234PC CANOLA

This early-maturing Pod Shatter Reduction hybrid contains second-generation clubroot resistance. You can enhance the standability of InVigor L234PC by avoiding short rotations, fields with high volunteer canola populations, high levels of fertility or under irrigation. We recommend growing InVigor L234PC with second generation clubroot resistance after two cycles of growing first generation clubroot-resistant hybrids in clubroot-affected areas or when clubroot symptoms are noticed in first generation clubroot-resistant hybrids (whichever comes first).



INVIGOR® CANOLA



Brand	Hybrid	Trait	Harvest Management	Herbicide Technology
DEKALB	DK900TF	TruFlex	Straight Cut Plus	Glyphosate
DEKALB	DK901TF	TruFlex	Straight Cut	Glyphosate
DEKALB	DK902TF	TruFlex	Straight Cut	Glyphosate
DEKALB	DKTF 99 SC	TruFlex	Straight Cut	Glyphosate
DEKALB	DKTF 98 CR	TruFlex	Delay Swath	Glyphosate
DEKALB	DKTF 96 SC	TruFlex	Straight Cut Plus	Glyphosate

DK900TF

CANOLA

- Combines strong performance and excellent disease protection. This high yielding hybrid offers a yield increase over DKTF 96 SC along with excellent harvestability.
- Straight cut plus hybrid with built-in trait for improved pod integrity and enhanced pod shatter protection
- Clubroot – resistance to predominant pathotypes
- TruFlex canola with Roundup Ready Technology providing enhanced weed control and flexibility in spray timing and rates



DK901TF

CANOLA

- Offers a new novel source of multi-genetic clubroot resistance within the DEKALB® hybrid lineup that provides durable protection against a broad spectrum of clubroot pathotypes including 3H, 3A, 2B and 5L
- High yield potential hybrid with straight cut genetics giving harvest flexibility to delay swathing or straight cut
- Mid-maturity, Similar to DKTF 98 CR. Well suited to all clubroot zones tested
- TruFlex canola with Roundup Ready Technology providing enhanced weed control and flexibility in spray timing and rates



DK902TF

CANOLA

- An ultra-early maturity hybrid with an excellent fit in short growing zones while also delivering strong yield potential
- Multi-genetic clubroot resistance hybrid that provides durable protection against a broad spectrum of clubroot pathotypes
- TruFlex canola with Roundup Ready Technology providing enhanced weed control and flexibility in spray timing and rates
- Ultra early maturity, similar maturity to 75-45 RR



Height	Standability	Blackleg Rating	Clubroot	Maturity	Hybrid
Medium	Very Good	R	Resistant	Mid Maturity	DK900TF
Medium	Very Good	R	Resistant	Mid Maturity	DK901TF
Short-Medium	Good	R	Resistant	Ultra Early Maturity	DK902TF
Medium	Excellent	R		Mid Maturity	DKTF 99 SC
Medium	Very Good	R	Resistant	Mid Maturity	DKTF 98 CR
Medium	Excellent	R		Mid Maturity	DKTF 96 SC

DK 99 SC

CANOLA

- Straight cut hybrid with high yield potential that offers outstanding harvestability
- TruFlex canola with Roundup Ready Technology providing enhanced weed control and flexibility in spray timing and rates
- Strong standability



DKTF 98 CR

CANOLA

- Multi-genetic clubroot resistance hybrid that provides durable protection against a broad spectrum of clubroot pathotypes
- TruFlex canola with Roundup Ready Technology providing enhanced weed control and flexibility in spray timing and rates
- Mid-maturity – well suited to all clubroot zones tested



DKTF 96 SC

CANOLA

- Strong yield potential DEKALB® hybrid
- Straight cut plus hybrid with built in trait for improved pod integrity and enhanced pod shatter protection
- TruFlex canola with Roundup Ready Technology providing enhanced weed control and flexibility in spray timing and rates



CANOLA

DEKALB® CANOLA



Brand	Hybrid	Trait	Harvest Management	Herbicide Technology
DEKALB	DKLL 84 CRSC	LibertyLink	Straight Cut	Glufosinate
DEKALB	DKLL 83 SC	LibertyLink	Straight Cut Plus	Glufosinate
DEKALB	DKLL 82 SC	LibertyLink	Straight Cut Plus	Glufosinate
DEKALB	DK400TF	TruFlex Liberty Link	Straight Cut Plus	Glufosinate glyphosate
DEKALB	DKTFLL 22 CRSC	TruFlex Liberty Link	Straight Cut	Glufosinate glyphosate
DEKALB	DKTFLL 21 SC	TruFlex Liberty Link	Straight Cut Plus	Glufosinate glyphosate

DKLL 84 CRSC

CANOLA

- A DEKALB LibertyLink hybrid that features an excellent disease package with both clubroot and blackleg resistance, in addition to straight cut genetics and yield potential.
- Includes the LibertyLink trait providing tolerance to Liberty herbicide (not glyphosate tolerant)
- Mid-maturity and is well suited to all clubroot zones tested
- Clubroot – resistance to currently predominate pathotypes



DKLL 83 SC

CANOLA

- A DEKALB LibertyLink hybrid featuring early maturity along with a high yield potential
- Straight cut plus hybrid with built-in trait for improved pod integrity and enhanced shatter protection
- Includes the LibertyLink trait providing tolerance to Liberty herbicide (not glyphosate tolerant)
- Early maturity



DKLL 82 SC

CANOLA

- Strong yield potential
- Includes the LibertyLink trait providing tolerance to Liberty herbicide (not glyphosate tolerant)
- Straight cut plus hybrid with built-in trait for improved pod integrity and enhanced pod shatter protection
- Early maturity



Height	Standability	Blackleg Rating	Clubroot	Maturity	Hybrid
Medium	Good	R	Resistant	Mid Maturity	DKLL 84 CRSC
Short-Medium	Very Good	R		Early Maturity	DKLL 83 SC
Short-Medium	Excellent	R		Early Maturity	DKLL 82 SC
Medium	Very Good		Resistant	Mid Maturity	DK400TF
Short-Medium	Very Good	R	Resistant	Mid Maturity	DKTFLL 22 CRSC
Short-Medium	Excellent	R		Early Maturity	DKTFLL 21 SC

CANOLA

DK400TL NEW CANOLA

- The first DEKALB TruFlex LibertyLink canola hybrid that includes both clubroot resistance and straight cut plus traits, while also delivering a high yield potential
- A straight cut plus hybrid with built-in trait for improved pod integrity and enhanced pod shatter protection
- TruFlex LibertyLink canola is the canola trait for farmers who want to use all of the tools available to them, with the ability to adjust their canola system as needed depending on the weed spectrum in their fields
- Clubroot – resistance to currently predominant pathotypes
- Blackleg – pending final 2023 registration data



DKTFLL 22 CRSC CANOLA

- A hybrid for growers looking for complete flexibility and protection in their operation. It features straight cut genetics, clubroot resistance, a strong blackleg package and excellent yield potential.
- TruFlex canola with Roundup Ready and LibertyLink Technologies is the canola trait for farmers who want to use all of the tools available to them, with the ability to adjust their canola system as needed depending on the weed spectrum in their fields
- Clubroot – resistance to predominant pathotypes



DKTFLL 21 SC CANOLA

- TruFlex canola with Roundup Ready and LibertyLink Technologies
- A high yield potential DEKALB hybrid with early maturity
- Straight cut plus hybrid with built in trait for improved pod integrity and enhanced pod shatter protection



DEKALB® CANOLA



Brand	Hybrid	Trait	Herbicide Technology
Brevant	B3017N	LibertyLink®	Glufosinate
Brevant	1028 RR	Roundup Ready®	Glyphosate
Brevant	B1030N	Roundup Ready®	Glyphosate
Brevant	B2030MN	IMI	Clearfield®
Brevant	2028 CL	IMI	Clearfield®

**Maturity compared to B3010M

B3017N



- Excellent yield potential – 110% increase over B2030MN and 107% increase over 1028 RR
- Produces a high-stability, healthy canola oil
- Clubroot Resistance—CR7 - 2F, 3H, 5I, 6M, 8N, 3A, 3D
- R for Blackleg
- Pod Shatter Reduction Score: 3
- Maturity—Earliest Nexera canola hybrid (1.2 days later than B3010M)
- Very good lodging resistance score, similar to Brevant® seeds B3010M
- Similar plant height to B3010M
- Good resistance against Verticillium Stripe (Score – 6)



1028 RR



- Very good yield potential
- Clubroot resistance – CR1 (2F, 3H, 5I, 6M, 8N)
- R for Blackleg
- Pod Shatter Reduction Score – 5
- Very good standability and lodging resistance score
- Very good resistance against Verticillium Stripe (Score - 7)
- Full season maturity hybrid



B1030N



- Very good yield potential – 100% of 1028 RR
- Produces a high-stability, healthy canola oil
- Clubroot Resistance – CR1- 2F, 3H, 5I, 6M, 8N
- R for Blackleg
- Pod Shatter Reduction Score: 5
- Maturity – 0.5 days later than 1028RR
- Very good lodging resistance score
- Good resistance against Verticillium Stripe (Score – 7)





Average Days to Maturity	Height	Standability	Blackleg Rating	Clubroot	Hybrid
+ 1.2 days	Tall	VG	R	R	B3017N
+ 3.0 days	Medium	EX	R	R	1028 RR
+ 3.5 days	Medium Tall	VG	R	R	B1030N
+ 2.5 days	Medium Tall	VG	R	R	B2030MN
+ 3.0 days	Medium	EX	R	R	2028 CL

B2030MN CANOLA

- Very good yield potential
- Clubroot (CR1): Resistant to Pathotypes 2F, 3H, 5I, 6M, 8N
- Blackleg: R
- Fusarium Wilt: R
- Very good standability and lodging resistance
- Full season maturity
- Provides options for harvest timing (Score – 6)



2028 CL CANOLA

- Very good yield potential - 108% increase over CS2500 CL
- Clubroot resistance (CR1): 2F, 3H, 5I, 6M, 8N
- R for Blackleg
- R for Fusarium Wilt
- Pod Shatter Reduction Score – 5
- Very good standability and lodging resistance score
- Full season maturity hybrid





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LEGEND

RATING SCALE:

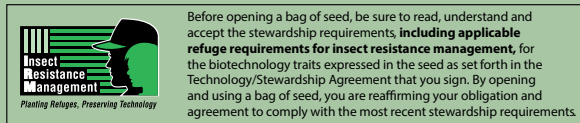
- 9 = Excellent
- 7-8 = Very Good
- 5-6 = Good
- 3-4 = Fair
- 1-2 = Poor
- N/A = Not Applicable

* All information is based on comparisons with other Nutrien Ag Solutions hybrids. Environmental conditions may cause hybrids to perform differently.

GDU (Growing Degree Unit) to Black Layer - Physiological maturity/zero milkline from planting. This can vary due to day length, temperature, fertility, date of planting, and other environmental conditions.

TECHNOLOGY:

- RR2 = Roundup Ready® Corn 2
- VT2P = VT Double PRO® Corn
- SS = SmartStax® Corn
- V = Viptera™
- DV = DuracadeViptera™
- D = Duracade™



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and agreement to comply with the most recent stewardship requirements.



Bayer Company is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

IMPORTANT IRM INFORMATION: RIB Complete® corn blend products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. B.t. products may not yet be registered in all states. Check with your seed brand representative for the registration status in your state. DroughtGard® Hybrids with RIB Complete® corn blend the refuge seed may not always contain DroughtGard® Hybrids trait. Roundup Ready® 2 Technology contain genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

Caution: Do not spray E-Z Refuge®, Agrisure Viptera 3220A E-Z Refuge and Agrisure GTA products with Liberty® Brand Herbicide. Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides. Corn trait technology incorporated into these seeds is commercialized under license from Syngenta Seeds, Inc. Herculex® Technology incorporated into these seeds is commercialized under license from Corteva Agriscience™.

PLANT HEIGHT:

- S = Short
- M/S = Medium-Short
- M = Medium
- M/T = Medium-Tall
- T = Tall

EAR HEIGHT:

- L = Low
- M/L = Medium-Low
- M = Medium
- M/H = Medium-High
- H = High

DISEASE RATINGS:

- 8 - 9 = High Tolerance
- 6 - 7 = Tolerance
- 4 - 5 = Moderate Tolerance
- 1 - 3 = Susceptible
- N/A = Information Not Available

LibertyLink® Corn

The LibertyLink® system enables growers to use powerful Liberty® herbicide, the nonselective-herbicide that is effective on tough-to-control grasses and broadleaf weeds, for over-the-top use on over 50 million.

LibertyLink-enabled corn hybrid acres with Herculex®, Genuity® SmartStax® and Agrisure® hybrids with corn-borer protection. The LibertyLink system is the simply better solution built upon high-performing genetics and excellent weed control for a stronger yield.

Liberty Herbicide Benefits:

- Trait Flexibility across today's trait platforms, including LibertyLink corn
- Excellent Weed Control from the broadest spectrum herbicide, for control of tough weeds like Palmer amaranth, waterhemp, and giant ragweed.
- Peace of Mind with Liberty herbicide's proven formulation that provides reliable, consistent performance and is back by the Liberty Herbicide Weed Control Guarantee

Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, post-emergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®.

Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

Agrisure®, Agrisure Artesian®, Artesian™, Agrisure Duracade®, Agrisure Viptera® and E-Z Refuge® are trademarks of a Syngenta Group Company. LibertyLink® and the Water Droplet Design® are registered trademarks of BASF Corporation. HERCULEX® and the HERCULEX Shield are trademarks of Corteva Agriscience™. DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, SmartStax®, SmartStax® PRO, SmartStax® PRO RIB Complete, Trecepta®, Trecepta® RIB Complete®, and VT Double PRO® are trademarks of Bayer Group. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners.

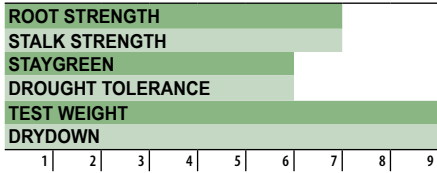


Hybrid	RM	TechNology	Available RIB	CHU	GDU	Population - Low	Population - Moderate	Population - High	Planting Date - Early	Planting Date - Late	Harvest Date - Early	Harvest Date - Late	Emergence	Seedling Vigour	Plant Height
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NEW PV 60371RIB	71	VT2P	Yes	2025	2056	R	HR	R	R	HR	HR	N	7	7	M/S
PV 60172RR	72	RR2	No	2050	2094	N	HR	HR	R	HR	HR	N	8	7	M
NEW PV 60273RIB	74	VT2P	Yes	2075	2080	R	HR	HR	HR	HR	HR	N	9	9	M
PV 61276RIB	76	VT2P	Yes	2175	2486	N	R	HR	HR	HR	HR	R	8	7	M
PV 61177SRR	77	RR2	No	2200	1990	R	HR	HR	HR	R	R	R	7	6	T
PV 61479RIB	79	VT2P	Yes	2250	2048	R	HR	HR	HR	R	HR	R	7	7	M

71 RM Available RIB: Yes
PV 60371RIB

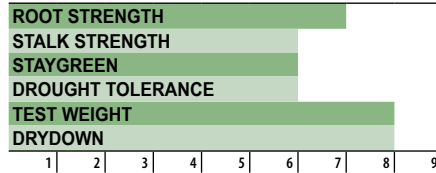
NEW CORN



- Very good emergence and early vigour
- High test weight
- Plant at medium plant populations
- Very good standability
- Good harvest appearance with short husk to aid in drydown

72 RM Available RIB: No
PV 60172RR

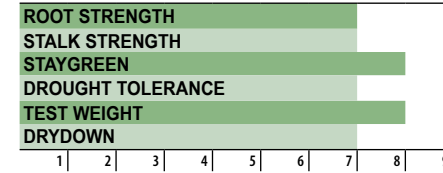
CORN



- Very good seedling vigour allows for early planting
- Very good stalks and roots
- Very good test weight with excellent drydown
- Excellent yield for maturity

74 RM Available RIB: Yes
PV 60273RIB

NEW CORN



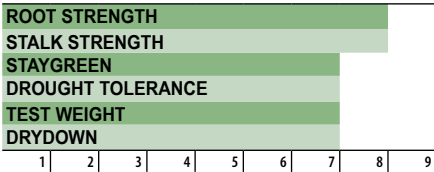
- Strong emergence and seedling vigour
- Very early to flower
- Very good stalks
- Very good test weight
- Plant at medium to medium-high plant populations

CORN

PROVEN® SEED 71-79 RELATIVE MATURITY

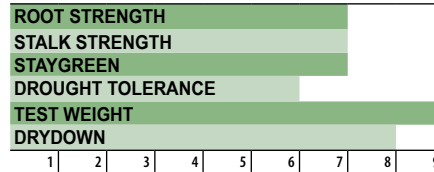
Ear Height	Ear Flex	Drought Tolerance	Greensnap Score	Stalk Strength	Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	Hybrid Name
M	Semi-Flex	6	7	7	7	9	9	6	Adequate	Yes	No	5	5	7	PV 60371RIB
M	Semi-Fixed	6	6	6	7	8	8	6	Adequate	Yes	No	6	6	6	PV 60172RR
M	Semi-Fixed	7	7	7	7	8	7	8	Adequate	Yes	Yes	5	6	6	PV 60273RIB
M	Fixed	7	8	8	8	7	7	7	Adequate	Yes	No	6	7	8	PV 61276RIB
M/H	Semi-Flex	6	7	7	7	9	4	7	Adequate	No	Yes	7	6	6	PV 61177SRR
M	Fixed	6	7	7	7	9	8	7	Adequate	No	No	6	8	7	PV 61479RIB

76 RM Available RIB: Yes **PV 61276RIB** CORN



- Tremendous yield and yield stability
- Early to flower
- Strong test weight
- Excellent Goss's wilt and Northern Corn Leaf Blight scores
- Dual purpose hybrid

79 RM Available RIB: Yes **PV 61479RIB** CORN



- Very good yield for maturity with very fast drydown
- Very good test weight
- Excellent Goss's wilt and Northern Corn Leaf Blight tolerance
- Best performance at medium to medium-high plant populations

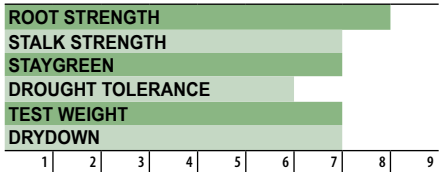


CORN

PROVEN® SEED 71-79 RELATIVE MATURITY

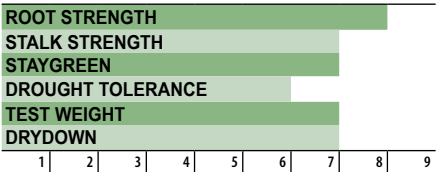
Hybrid	RM	TechNology	Available RIB	CHU	GDU	Population - Low	Population - Moderate	Population - High	Planting Date - Early	Planting Date - Late	Harvest Date - Early	Harvest Date - Late	Emergence	Seedling Vigour	Plant Height
PV 61180RIB	80	VT2P	Yes	2275	1968	N	R	HR	HR	R	R	R	8	8	M
PV 62181SRR	81	RR2	Yes	2300	2015	R	HR	R	HR	R	HR	N	7	7	T
PV 62181SRIB	81	VT2P RIB	Yes	2300	2015	R	HR	R	HR	R	HR	N	7	7	T
PV 62282RIB	82	VT2P	Yes	2400	1930	N	R	HR	HR	N	N	R	8	7	M/T
NEW PV 62683SRR	83	SRR	No	2475	1970	HR	HR	R	HR	R	R	R	8	9	T
PV 62384RIB	84	VT2P	Yes	2500	2191	R	HR	R	HR	N	N	R	7	6	M/T
PV 62485RIB	85	VT2P	Yes	2550	2560	R	HR	R	HR	N	N	R	8	7	M/T

80 RM Available RIB: Yes
PV 61180RIB CORN



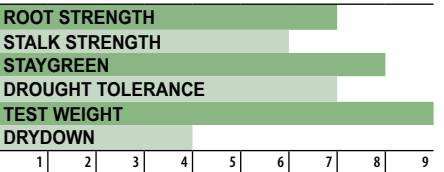
- Good looking hybrid with excellent yield
- Very good roots and stalks
- Good stress tolerance
- Dries down fast while keeping nice plant intactness and appearance at harvest
- Plant at medium to medium high plant populations

81 RM Available RIB: Yes
PV 62181SRIB CORN



- Outstanding silage yield and quality from a silage specific hybrid
- Tall upright leaf results in excellent late season appearance
- Flowers exceptionally early for maturity
- Exhibits slow drydown due to flint kernel influence
- Silage specific hybrid with European corn borer protection

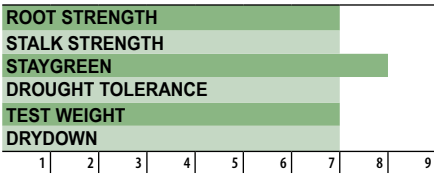
82 RM Available RIB: Yes
PV 62282RIB CORN



- Strong stable performance across a wide range of environments
- Excellent plant health and staygreen
- Excellent emergence and seedling vigour
- Excellent stalks and very good roots

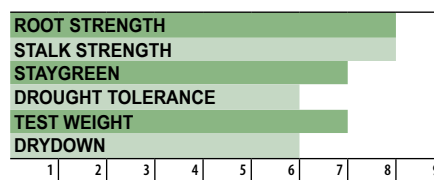
Ear Height	Ear Flex	Drought Tolerance	Greensnap Score	Stalk Strength	Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	Hybrid Name
M	Fixed	6	7	7	8	7	7	7	Adequate	Yes	No	6	7	7	PV 61180RIB
M/H	Semi-Flex	7	6	6	7	9	4	8	Adequate	No	Yes	6	6	6	PV 62181SRR
M/H	Semi-Flex	7	6	6	7	9	4	8	Adequate	No	Yes	6	6	6	PV 62181SRIB
M	Fixed	7	9	8	7	7	8	8	Adequate	Yes	No	6	6	8	PV 62282RIB
M	Flex	8	7	7	6	9	4	8	Adequate	No	Yes	N/A	5	6	PV 62683SRR
M	Semi-Flex	6	7	8	8	7	6	7	Adequate	Yes	Yes	6	6	N/A	PV 62384RIB
M	Semi-Flex	7	7	7	7	7	7	8	Adequate	Yes	No	6	7	8	PV 62485RIB

85 RM Available RIB: No
PV 62683SRR



- High yielding silage specific with outstanding vigour
- Excellent emergence and early vigour
- White cob with excellent silage quality
- Tall hybrid with tremendous eye appeal
- Best at moderate populations

84 RM Available RIB: Yes
PV 62384RIB



- Sharp looking, taller dual purpose hybrid
- Semi-flex hybrid performs best at moderate plant populations
- Silage Select
- Best performance in mid to high yielding environments

85 RM Available RIB: Yes
PV 62485RIB



- Strong yield performance
- Open husk facilitates rapid drydown
- Good ear flex allows for planting at lower populations
- Strong disease package with very good Goss's wilt and Northern Corn Leaf Blight scores
- Strong roots and stalks with decent staygreen


CORN

PROVEN® SEED 80-85 RELATIVE MATURITY




Hybrid	Technology	CHU	Relative Maturity	Flowering Timing for Maturity	Ear Type	Target Plant Population	Emergence	Seedling Vigour	Root Strength	Stalk Strength	Drought Tolerance	Plant Height	Staygreen
DKC20-23RIB	VT2P	2050	70	Avg	Fixed	34-36	3	2	3	3	3	M	3
DKC21-36RIB	VT2P	2075	71	Late	Semi-Fixed	32-34	2	2	2	3	3	M	2
DKC24-05	RR2	2100	74	Late	Fixed	34-36	3	3	3	2	3	M/T	3
DKC24-06RIB	VT2P	2100	74	Late	Fixed	34-36	3	3	3	2	3	M/T	3
NEW DKC25-15RIB	VT2P	2125	75	Avg	Semi-Fixed*	34-36	2	2	3	3	2	M/S	4
DKC26-40RIB	VT2P	2150	76	Late	Semi-Fixed	36-38	2	2	3	2	2	M/T	2
NEW DKC28-25RIB	VT2P	2250	78	Avg	Semi-Fixed*	34-36	3	2	3	3	2	M	3
DKC29-89RIB	VT2P	2275	79	Late	Semi-Fixed	34-36	3	3	2	2	2	M/T	2
DKC30-63RIB	VT2P	2325	80	Avg	Semi-Fixed	34-36	2	2	3	2	3	M	4
DKC31-85RIB	VT2P	2425	81	Avg	Semi-Fixed	36-38	3	3	3	3	3	M/T	2


**70 RM
DKC20-23RIB** CORN

- Earliest hybrid in the DEKALB® lineup 
- Excels in ultra-early environments throughout Canada
- Fixed ear, responds to higher planting populations
- Very good Goss's wilt tolerance
- Excellent grain quality and late season plant health
- Fast drydown and strong test weight

**71 RM
DKC21-36RIB** CORN

- Excellent emergence, seedling vigour and root strength 
- Very good drought tolerance
- Semi-fixed ear, responds to higher planting populations
- Strong Goss's wilt tolerance
- Late flowering timing for maturity, but dries down very quickly
- Excellent stay green, drydown and test weight

**76 RM
DKC24-06RIB** CORN

- Fixed ear, responds to higher planting populations 
- Very good Goss's wilt tolerance
- Very good root strength and drought tolerance
- Excellent stalk strength
- Very good drydown and harvest appearance
- Excellent test weight



Drydown
Test Weight
Harvest Appearance
Northern Corn Leaf Blight
Gray Leaf Spot
Common Rust
Goss' Wilt
Gibberella Ear Rot
Silage Ready
Silage Yield
Milk per Tonne
Milk per Acre
Starch Content
Neutral Detergent Fibre (dNDF)
Hybrid Name

2	2	4	5	5	3	4	AA								DKC20-23RIB
2	2	3	2	5	2	5	AA	SR	2	4	2	2	2	2	DKC21-36RIB
2	2	4	5	5	2	4	AA								DKC24-05
3	2	3	5	5	2	4	AA	SR	3	4	3	3	2	2	DKC24-06RIB
4	3	4	5	4	3	4	AA								DKC25-15RIB
2	1	2	4	5	3	5	AA	SR	2	3	2	3	2	2	DKC26-40RIB
2	3	2	4	6	3	5	AA								DKC28-25RIB
3	4	2	3	6	3	4	A								DKC29-89RIB
3	2	3	4	4	4	4	A								DKC30-63RIB
3	5	3	4	5	3	4	AA	SR	3	2	3	3	2	2	DKC31-85RIB

CORN

75 RM DKC25-15RIB **NEW CORN**

- Excellent yield potential
- Semi-fixed ear
- Very good (4) Goss's wilt tolerance
- Very strong emergence and seedling vigour
- Very good drought tolerance
- Shorter plant height results in less residue post-harvest



78 RM DKC28-25RIB **NEW CORN**

- Semi-fixed ear
- Strong Goss's wilt tolerance
- Good heat and drought tolerance
- Strong disease tolerance
- Very good agronomic package with solid root and stalk strength
- Fast grain drydown
- Good intactness and harvest appearance



79 RM DKC29-89RIB **CORN**

- Fixed ear
- Late flowering timing for maturity but dries down very quickly
- Excellent drought tolerance
- Excellent root and stalk strength
- Excellent harvest appearance



81 RM DKC31-85RIB **CORN**

- Semi-flex ear
- Great dual-purpose hybrid for grain or silage
- Very good Goss's wilt tolerance
- Very good drought tolerance
- Very good root and stalk strength
- Excellent staygreen and harvest appearance
- Very good drydown



DEKALB® 70-81 RELATIVE MATURITY



Hybrid	Technology	CHU	Relative Maturity	Flowering Timing for Maturity	Ear Type	Target Plant Population	Emergence	Seedling Vigour	Root Strength	Stalk Strength	Drought Tolerance	Plant Height	Staygreen
NEW DKC32-49RIB	VT2P	2450	82	Avg	Fixed*	36-38	3	3	2	3	3	M	3
DKC33-37RIB	VT2P	2500	83	Avg	Semi-Fixed	34-36	3	3	3	3	2	M/T	3
DKC33-78RIB	VT2P	2400	83	Early	Semi-Flex	34-36	2	3	2	2	4	M	4
DKC34-57RIB	VT2P	2575	84	Avg	Semi-Fixed	36-38	2	2	3	4	2	T	3
DKC35-29RIB	VT2P	2575	85	Avg	Semi-Fixed	34-36	3	3	3	3	3	M	2
NEW DKC35-34RIB	SS	2575	85	Avg	Fixed	36-38	4	3	2	2	2	M	3
DKC36-48RIB	VT2P	2600	86	Avg	Flex	32-34	3	2	2	4	2	T	3
DKC37-73RIB	SS	2650	87	Late	Semi-Fixed	34-36	2	2	4	4	3	M/T	2
DKC38-55RIB	VT2P	2650	88	Early	Semi-Fixed	32-34	2	3	2	4	2	M/T	3

82 RM
DKC32-49RIB

NEW
CORN

- Excellent yield response on highly productive soils
- Fixed ear
- Very good Goss's wilt tolerance
- Shorter plant with strong stocks
- Excellent late-season harvest appearance
- Very good test weight



83 RM
DKC33-37RIB

CORN

- Semi-flex ear type
- Great dual-purpose hybrid for grain or silage
- Very good Goss's wilt tolerance
- Excellent drought tolerance
- Very good root and stalk strength
- Very good drydown and harvest appearance



83 RM
DKC33-78RIB

CORN

- Excellent top end yield potential
- Performs well across all soil types and yield environments tested
- Very good Goss's wilt tolerance
- Very good drought tolerance
- Solid agronomics with excellent stalk strength, standability and drydown
- Very good staygreen and late season plant health
- Excellent test weight





CORN

Drydown
Test Weight
Harvest Appearance
Northern Corn Leaf Blight
Gray Leaf Spot
Common Rust
Goss' Wilt
Gibberella Ear Rot
Silage Ready
Silage Yield
Milk per Tonne
Milk per Acre
Starch Content
Neutral Detergent Fibre (dNDF)
Hybrid Name

3	3	2	2	6	3	4	A								DKC32-49RIB
3	3	3	5	5	3	4	AA								DKC33-37RIB
1	2	3	2	5	3	4	A								DKC33-78RIB
4	3	2	5	5	4	5	BA	SR	2	3	2	2	3		DKC34-57RIB
3	3	4	4	6	3	4	AA								DKC35-29RIB
3	3	3	4	6	4	5	A	SR	3	2	2	2	2		DKC36-48RIB
3	3	3	3	5	3	5	AA								DKC37-73RIB
2	3	4	4	4	3	5	AA	SR	4	3	3	3	3		DKC38-55RIB

85 RM DKC35-34RIB **NEW CORN**



- Fixed ear
- Very good Goss's wilt tolerance
- Performs best when planted into warm, fit, soil conditions
- Excellent below ground insect protection in corn-on-corn situations
- Strong disease tolerance to Northern Corn Leaf Blight and Anthracnose Stalk Rot
- Very good roots and excellent late season stalk strength

86 RM DKC36-48RIB **CORN**



- Excellent top-end yield potential
- Flex ear
- Strong Goss's wilt tolerance
- Strong early-season vigour and emergence
- Excellent drought tolerance



DEKALB® 82-88 RELATIVE MATURITY



Hybrid	Relative Maturity	Crop Heat Units	RM to Silk	GDUs to Silk	RM to Blacklayer	GDUs to Blacklayer	Emergence	Seedling Vigor	Root Strength	Stalk Strength	Green Snap	Staygreen	Drydown	Drought	Test Weight
NK7837-V	78	2350	78	1150	78	1890	7	7	7	8	4	8	7	8	8
NK8005-V	80	2400	78	1150	77	1810	7	7	7	7	7	9	6	9	8
NK8204-V	82	2550	84	1210	82	2075	7	8	8	6	7	6	8	6	6
NK8519-DV	85	2650	86	1220	85	2140	7	8	6	7	7	7	7	8	7
NK8618-D	86	2650	84	1200	85	2140	7	7	7	8	6	7	6	9	8
NK9023-DV	90	2725	91	1240	90	2290	7	7	6	7	7	7	7	7	7
NK9175-DV	91	2750	91	1240	91	2300	8	8	5	6	8	6	7	9	7

**78 RM
NK7837-V**

CORN

- Broad adaptation across yield environments
- Very good emergence and vigour
- Heavy test weight with good grain quality
- Great drought tolerance for consistent yields

**80 RM
NK8005-V**

CORN

- Superior yield combined with artesian technology
- Maximizes yield when it rains; increases yield potential when it doesn't
- Early flowering for good northern adaptation
- Heavy test weight

**82 RM
NK8204-V**

CORN

- Exciting yield performance with quick drydown
- Maximum yields on highly productive soils
- Very strong roots
- Strong emergence with great early vigour

Corn on Corn Response	Plant Height	Ear Height	Ear Flex	Drought Prone	High pH	Highly Productive	Variable Soils	Poorly Drained	Nitrogen Response	Northern Corn Leaf Blight	Goss's Wilt	Milk/A (Lbs/A)	Beef/A (Lbs/A)	Hybrid
9	6	7	SF	8	8	9	8	9	7	7	6	8	7	NK7837-V
7	5	6	SF	9	8	8	9	8	8	5	6	8	8	NK8005-V
7	6	6	SF	7	8	9	7	8	7	6	6	7	7	NK8204-V
9	7	6	SF	9	7	9	9	8	9	7	6	9	9	NK8519-DV
7	7	5	SF	9	7	9	9	9	9	7	6	7	7	NK8618-D
7	8	8	SD	9	7	9	9	8	9	7	5	8	8	NK9023-DV
5	7	6	SD	9	7	9	9	8	8	7	6	8	8	NK9175-DV

85 RM NK8519-DV

CORN

- Consistent performance across environments
- Strong stalks for season-long standability
- Outstanding drought tolerance for consistent yields
- Dependable emergence with excellent seedling vigour
- Impressive dual-purpose hybrid with outstanding feed quality.

86 RM NK8618-D

CORN

- Elite genetics with artesian technology
- Maximizes yield when it rains; increases yield potential when it doesn't
- Strong stalks and roots
- Heavy test weight

91 RM NK9175-DV

CORN

- Top-end yield potential with broad adaptation
- Exceptional early disease package and drought tolerance
- Consistent performance brings exciting yield levels to this maturity range
- Full-season silage hybrid with superb feed characteristics

RATING SCALE: 9 = Excellent 7-8 = Very Good 5-6 = Good 3-4 = Fair 1-2 = Poor N/A = Information Not Available Red = New
D = Determinate SD = Semi-Det SF = Semi-Flex F = Flex



Grow with confidence

Nutrien
Ag Solutions®

LEGEND

RATING SCALE:

- 9 = Excellent
- 7-8 = Very Good
- 5-6 = Good
- 3-4 = Fair
- 1-2 = Poor
- N/A = Not Applicable

Ratings given are approximate and should not be considered as absolute. Ratings are based on Nutrien Ag Solutions® Seed conducted trials and are relative to other Nutrien Ag Solutions® Brand soybeans.

HERBICIDE TOLERANT TRAITS:

- RR2XT = Roundup Ready 2 Xtend®
- XTFlex = XtendFlex®

PLANT HEIGHT:

- M = Medium
- M/S = Medium-Short
- M/T = Medium-Tall
- T = Tall

CANOPY TYPE:

- T = Thin or Narrow
- MT = Moderately-Thin
- M = Moderate or Intermediate
- MB = Moderately-Bushy
- B = Bushy or Full

FLOWER COLOR:

- P = Purple
- W = White

PHYTOPHTHORA GENE RESISTANCE:

- R** = Denotes resistance to specific Race
- HRps = Denotes Heterozygous resistance (partial resistance) to the specific gene noted
- S = Susceptible or no specific gene resistance (unshaded white cell)

Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION.

Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

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Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge

and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html). To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed. Always read and follow herbicide label directions prior to use: Enlist® products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist® crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products.

The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C.™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience and its affiliated companies. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

Enlist E3® soybean seeds containing the Enlist® trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3® soybeans. Additional information and limitations on the use of these products are provided in the Corteva Agriscience Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Dow AgroSciences technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

PHYTOPHTHORA ROOT ROT – RACE RESISTANCE:

Gene	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45					
Rps1a	R	R								R	R		R	R	R	R	R	R						R		R	R					R	R																	
Rps1c	R	R	R				R	R	R	R	R		R		R							R			R		R						R										R	R			R			
Rps1k	R	R	R	R	R	R	R	R	R	R	R		R		R							R	R	R	R		R																							
Rps3a	R	R	R	R	R				R	R			R	R		R									R		R																							

PHYTOPHTHORA FIELD TOLERANCE:

- Score designates reaction to Phytophthora sojae Race 25 for commercial genes Rps1a, Rps1c and Rps1k
- Score designates reaction to Phytophthora sojae Race 30 for commercial gene Rps3a
- Score may also be based upon in-field observations in addition to the specific Race reaction
- Phytophthora Field Tolerance scores are important for races of Phytophthora not covered by specific genes or resistance
- Refer to chart for specific Phytophthora gene resistance

HILUM COLOR:

- BL = Black
- BR = Brown
- IB = Imperfect Black
- BF = Buff
- G = Gray
- TN = Tan
- IY = Imperfect Yellow
- Y = Yellow

PUBESCENCE:

- G = Gray
- T = Tawny
- LT = Light Tawny

POD COLOR:

- BR = Brown
- TN = Tan

SOYBEAN CYST NEMATODE:

- R = Resistant
- MR = Moderately Resistant
- S = Susceptible
- # = Number Denotes Race Resistance

TECHNOLOGY:

- XT = Roundup Ready 2 Xtend®
- XF = XtendFlex®
- "S" at end = STS stack

PROVEN SEED SOYBEAN NUMBER SYSTEM

- 1st Digit = S=Soybean
- 2nd-5th Digit = Relative Maturity
- 6th Digit = Internal number
- 7th Digit = Last number represents year of release

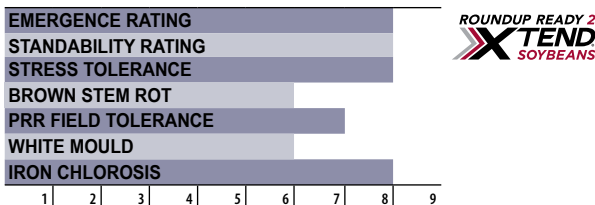
Examples: PV S0007X74 = Roundup Ready 2 Xtend at 0.007 Maturity
 *For group 000 products, 2nd, 3rd and 4th digits represent relative maturity





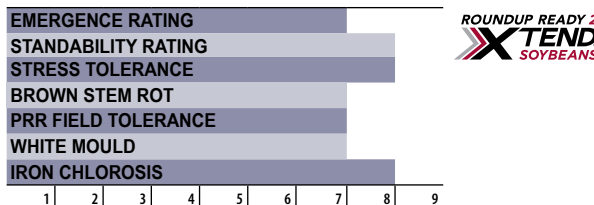
Variety Name	Herbicide Technology	Herbicide Tolerance	Maturity	Emergence	Row Width – Drilled	Row Width – 15-20"	Row Width – Twin or 30"	Tillage – No Till	Tillage – Minimum	Tillage – Conventional	Standability	Stress Tolerance	Iron Deficiency Chlorosis
NEW PV S0006X24	RR2X	DI, GLY	000.6	8	HR	HR	N	HR	HR	HR	8	8	8
NEW PV S0007X74	RR2X	DI, GLY	000.7	7	HR	HR	N	HR	HR	HR	8	7	8
NEW PV S0009X84	RR2X	DI, GLY	000.9	7	HR	HR	R	HR	HR	HR	6	7	8
PV 28s001R2X	RR2X	DI, GLY	00.1	6	HR	HR	R	R	HR	HR	6	6	8
PV 22s002R2X	RR2X	DI, GLY	00.2	8	HR	HR	R	HR	HR	HR	6	8	8

**00.6 RM
PV S0006X24** **NEW SOYBEANS**



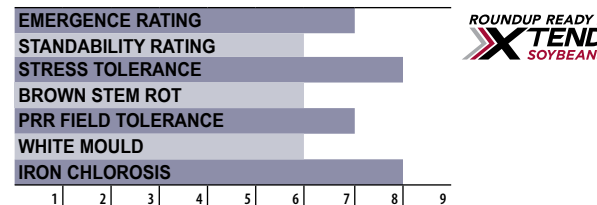
- Ultra early with outstanding yield for maturity class
- Tall bushy plant, with solid standability
- Excellent emergence scores
- Very strong defensive package for an ultra early soybean, with Rps1c het gene for *Phytophthora*, strong Iron Deficiency Chlorosis and *Sclerotinia* White Mould resistance
- Well suited to 7-20 inch row spacings across all environments

**00.7 RM
PV S0007X74** **NEW SOYBEANS**



- Excellent yield for ultra early maturity Roundup Ready 2 Xtend® soybean
- Rps1c/a gene stack, coupled with excellent PRR field tolerance provides outstanding protection from *Phytophthora* Root Rot
- Strong *Sclerotinia* White Mould and Iron Deficiency Chlorosis ratings
- Very tall plant structure with upright growth habit
- Performs best on medium textured soils on narrow to mid row widths to the west of the Red River Valley and across Saskatchewan

**00.9 RM
PV S0009X84** **NEW SOYBEANS**

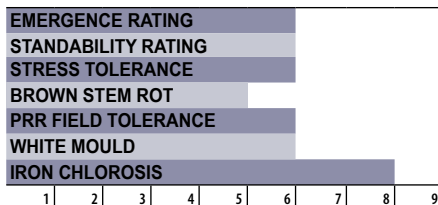


- Strong yielding product on heavier soils
- Very tall plant with excellent canopy and good standability
- Excellent Iron Deficiency Chlorosis tolerance
- Resistant to Brown Stem Rot
- A strong replacement for PV 15S0009R2X, maturing slightly earlier, with improved agronomic and yield enhancements

Plant Height	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mould	Brown Stem Rot	Variety Name
T	B	P	BL	T	BR	R	PI88788	Rps1c/HRps1k	7	6	6	PV S0006X24
M/T	M/B	P	BR	LT	TN	S	-	Rps1c/3a	7	7	7	PV S0007X74
T	B	P	BL	T	BR	R	PI88788	Rps1c	7	6	6	PV S0009X84
T	M/B	P	BL	T	BR	R	PI88788	Rps1c	6	6	5	PV 28s001R2X
T	M/B	P	BL	T	BR	R	PI88788	Rps1k/HRps1c	7	6	7	PV 22s002R2X

00.1 RM
PV 28S001R2X

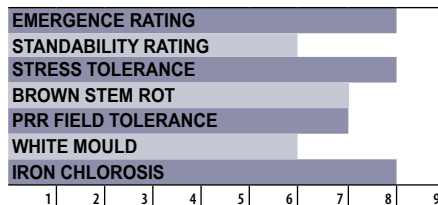
SOYBEANS



- Strong yield over commercial checks
- Big tall plant allows for planting in various row widths
- Above average Iron Deficiency Chlorosis tolerance
- Resistant to *Sclerotinia* White Mould
- Rps1c gene for *Phytophthora* protection

00.2 RM
PV 22S002R2X

SOYBEANS



- Proven performance with strong stable yields over multiple years for the Roundup Ready® Xtend Crop System
- Tall bushy plant packs on the yield
- Excellent emergence and vigour ratings
- Strong defensive package including Iron Deficiency Chlorosis tolerance, *Phytophthora* resistance (Het Rps1k) and *Sclerotinia* White Mould resistance and *Sclerotinia* White Mould scores
- Well suited to heavier soils and no/minimum-till operations





Variety Name	Herbicide Technology	Herbicide Tolerance	Maturity	Emergence	Row Width – Drilled	Row Width – 15-20"	Row Width – Twin or 30"	Tillage – No Till	Tillage – Minimum	Tillage – Conventional	Standability	Stress Tolerance	Iron Deficiency Chlorosis
NEW PV S004XF13	XF	DI, GLY, GLF	00.3	6	HR	HR	N	R	HR	HR	7	7	6
PV 16s004R2X	RR2X	DI, GLY	00.4	8	R	HR	HR	HR	HR	HR	6	8	6
PV 25s005R2X	RR2X	DI, GLY	00.5	7	R	HR	R	HR	HR	HR	6	9	6
PV 26s007R2X	RR2X	DI, GLY	00.7	6	R	HR	HR	R	HR	HR	8	6	8

**00.3 RM
PV S004XF13**

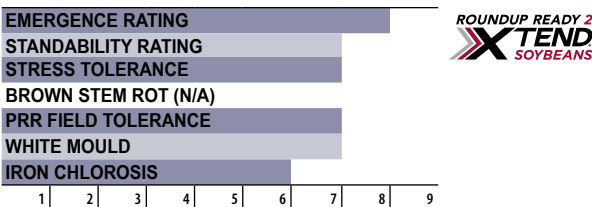
NEW
SOYBEANS



- New XtendFlex® herbicide system adds glufosinate resistance to the Proven Seed Roundup Ready® Xtend Crop System
- Provides growers with tools to combat the emergence of tough to control glyphosate tolerant weeds arriving in Manitoba
- Strong yield performance over multiple years
- Narrow leaf type in a medium height plant
- Very good standability, *Sclerotinia* White Mould tolerance and *Phytophthora* (Rps1c)

**00.4 RM
PV 16s004R2X**

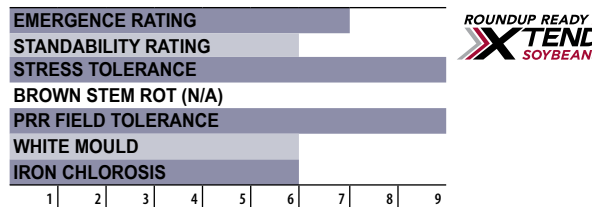
SOYBEANS



- Strong, reliable, proven performer
- Tall and bushy suitable for all row widths
- Great choice for heavier soils
- *Phytophthora* Root Rot and *Sclerotinia* White Mould resistance a strong defensive option for reliable results under tough conditions in reduced tillage situations

**00.5 RM
PV 25s005R2X**

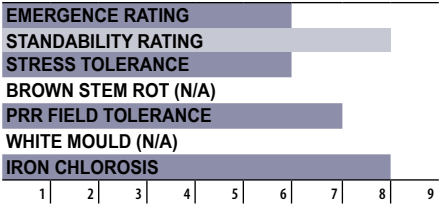
SOYBEANS



- Outstanding yield for a mid-maturity soybean variety
- Excellent *Phytophthora* resistance (Rps1c) and field tolerance
- Medium plant stature with very good branching
- Very good stress tolerant soybean that performs in all row widths
- Excels on medium textured soils or tightly rotated fields

Plant Height	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mould	Brown Stem Rot	Variety Name
M	M/B	P	BR	LT	BR	R	PI88788	Rps1c	7	7	N/A	PV S004XF13
M/T	M/B	P	BL	T	BR	R	PI88788	Rps1k	8	5	N/A	PV 16s004R2X
M	M/B	P	Y	LT	TN	S	-	Rps1c	9	6	N/A	PV 25s005R2X
T	M/B	P	BL	T	BR	R	PI88788	Rps1c	7	N/A	N/A	PV 26s007R2X

00.7 RM
PV 26s007R2X



- Strong full season Roundup Ready 2 Xtend® variety
- Suitable for all row widths
- Very tall plant which canopies very fast
- Strong Iron Deficiency Chlorosis tolerance, *Sclerotinia* White Mould resistance and Rps1c gene for *Phytophthora*





DEKALB Variety	Seed Guide	Herbicide Technology	Relative Maturity	Heat Units	Plant Height	Pubescence Colour	Hilum Colour	Avg. Seed Size Category
DKB0005-03	Western	RR2X	000.5	2175	M	G	BR	S
DKB0008-87	Western	RR2X	000.8	2275	M/T	T	BL	S
NEW DKB001-07	Western	RR2X	00.1	2300	T	T	BL	S
DKB002-32	Western	RR2X	00.2	2350	M	LT	BR	S
DKB005-52	Western	RR2X	00.5	2425	M/T	LT	BL	M
DKB006-80	Western	RR2X	00.6	2450	M/T	LT	BL	M
DKB008-48	Western	RR2X	00.8	2475	M/T	LT	BL	M

**000.5 RM
DKB0005-03**

SOYBEANS

- Compact, medium-height variety with bushy architecture and excellent standability
- Excellent iron deficiency chlorosis tolerance
- Performs well across all soil types tested

**000.8 RM
DKB0008-87**

SOYBEANS

- Medium-to-tall in height, with bushy architecture and has very good standability
- Excellent fit for no-till and is best seeded in narrow rows
- Avoid placing in poorly drained soils and those with history of iron deficiency chlorosis

**00.1 RM
DKB001-07**

NEW
SOYBEANS

- Tall plant with slender architecture and excellent early-season vigour
- Strong overall disease package

**00.2 RM
DKB002-32**

SOYBEANS

- Branchy, medium-height variety with excellent standability
- Excels in moderate-to-high fertility environments and is an excellent fit for your best fields
- Well adapted to all row widths and soil types tested and is a good fit for no-till

Standability	Emergence	Seedling Vigour	No-till Adaptability	Soil Type	PRR Field Tolerance	PRR Resistance Gene	White Mould Tolerance	Brown Stem Rot	Iron Deficiency Chlorosis	Soybean Cyst Nematode	DEKALB Variety
1	3	3	3	ALL	5	Rps1c	3	5	2	-	DKB0005-03
3	3	3	2	ALL	5	Rps1c, 1k	2	5	3	R3	DKB0008-87
2	2	2	2	ALL	4	Rps1k	2	3	2	R3	DKB001-07
2	3	3	3	ALL	4	Rps1k	2	N/A	3	R3	DKB002-32
2	3	3	3	ALL	2	Rps1c	2	5	3	R3	DKB005-52
2	2	2	2	ALL	4	Rps1c	2	2	2	R3	DKB006-80
2	2	3	2	ALL	5	Rps1c, 1k	3	3	3	R3	DKB008-48

**00.5 RM
DKB005-52**

SOYBEANS

- Medium-to-tall height with excellent standability
- May be placed on fields with history of Iron Deficiency Chlorosis and has excellent tolerance to *Sclerotinia* White Mould and *Phytophthora* Root Rot (Rps1c)
- Well suited across all soil types and row widths tested

**00.6 RM
DKB006-80**

SOYBEANS

- Medium-to-tall height with excellent standability
- Outstanding early-season vigour combined with excellent agronomics and disease package, including excellent Iron Deficiency Chlorosis and *Sclerotinia* White Mould tolerance
- Well suited across all soil types and row widths tested

**00.8 RM
DKB008-48**

SOYBEANS

- Medium-to-tall variety but may shorten up in tougher growing conditions
- Excellent standability and performs well in no-till and conventional tillage
- Consistent performance across soil types and yield environments tested, and may be seeded in narrow or wide rows

SOYBEANS

DEKALB® 000.5-00.8 RELATIVE MATURITY



Brand	Product	Herbicide Technology	Relative Maturity	Heat Units	Flower Colour	Pubescence Colour	Pod Colour	Hilum Colour	Average Seed Size	Growth Habit	Plant Height for maturity
NK	S0007-S1X	RR2X	0007	2225	P	LT	TN	IY	M	IND	M
NK	S0009-F2X	RR2X	0009	2275	P	LT	TN	BR	S	IND	M
NK	S001-D8X	RR2X	001	2300	P	T	BR	IY	S	IND	M/T
NK	S003-R5X	RR2X	003	2325	P	LT	BR	IY	L	IND	M/S
NK	S005-C9X	RR2X	005	2350	P	LT	TN	BL	M	IND	M
NK	S007-Y4	RR2Y	005	2350	P	LT	TN	IY	L	IND	M
NK	S007-A2XS	RR2X/SU	007	2425	P	LT	BR	G	S	IND	M/T

0007 RM S0007-S1X

- Strong agronomics with great yield potential
- Rps1c/3a gene stack with very strong *Phytophthora* field tolerance
- Solid tolerance to Iron Deficiency Chlorosis with good standability
- Strong performance across yield levels with excellent top-end yield potential

0009 RM S0009-F2X

- Narrow-leaf variety with strong yield potential
- Excellent Iron Deficiency Chlorosis tolerance
- Best performance on medium to coarse textured soils
- Rps1c with good field tolerance to *Phytophthora* Root Rot

001 RM S001-D8X

- Excellent yield with a solid agronomic package
- Very good standability and tolerance to *Sclerotinia* White Mould
- Strong stress tolerance allows performance across a range of soil types
- Performs well across yield environments

Standability	Early Vigour	Emergence	No-Till Adaptability	SCN Resistance	Narrow Row Spacing (<15")	Wide Row Spacing (>15")	PRR Gene	PRR Field Tolerance	Iron Deficiency Chlorosis	White Mold Tolerance	Brown Stem Rot	Product
6	9	7	9	S	9	8	Rps1c,Rps3a	8	7	6	N/A	S0007-S1X
7	8	7	9	S	9	7	Rps1c	6	8	6	7	S0009-F2X
7	8	7	9	S	9	6	Rps1c	6	7	7	7	S001-D8X
7	8	7	9	S	9	8	Rps1c	8	6	7	N/A	S003-R5X
7	8	8	9	S	9	9	Rps1c	8	5	7	7	S005-C9X
8	8	7	9	S	9	9	Rps1c	7	7	8	5	S007-Y4
7	9	7	9	S	8	9	-	6	7	6	7	S007-A2XS

003 RM S003-R5X

SOYBEANS

- Outstanding yield with broad-acre adaptability
- Rps1c with excellent tolerance to *Phytophthora* Root Rot
- Performs well across all yield environments and soil types
- Excellent standability with very good tolerance to *Sclerotinia* White Mould

005 RM S005-C9X

SOYBEANS

- Solid performer that excels in high-yield environments
- Very strong *Phytophthora* root rot tolerance combined with the Rps1c gene
- Solid standability and *Sclerotinia* White Mould tolerance
- Good stress tolerance and performance across soil types

007 RM S007-A2XS

SOYBEANS

- Outstanding yield with excellent stress tolerance
- Consistent performance across yield environments and soil types
- Solid tolerance to Iron Deficiency Chlorosis
- Very good standability with good performance in all row widths

SOYBEANS

NK® 0007-007 RELATIVE MATURITY



WHEAT



Grow with confidence

Nutrien
Ag Solutions®

LEGEND

RATING SCALE:

- 9 = Excellent
- 7-8 = Very Good
- 5-6 = Good
- 3-4 = Fair
- 1-2 = Poor
- N/A = Not Applicable

LODGING RATING

- EX = Excellent
- VG = Very Good
- G = Good

DISEASE RESISTANCE RATING:

- R = Resistant
- MR = Moderately Resistance
- MS = Moderately Susceptible
- S = Susceptible
- I = Intermediate

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Midge Tolerant Wheat

Midge tolerant wheat varieties are a tool in the pest control toolbox which protects growers from damage caused by the orange wheat blossom midge. Orange wheat blossom midge are a pest which affects all classes of wheat by laying eggs in the emerging heads. The subsequent larvae feed on the developing kernels causing them to shrivel, crack and become deformed. Damaged kernels are often mistaken as frost damage when graded for sale. The result is reduced crop yields, lower grading of the harvested grain and ultimately lower profitability for the grower.

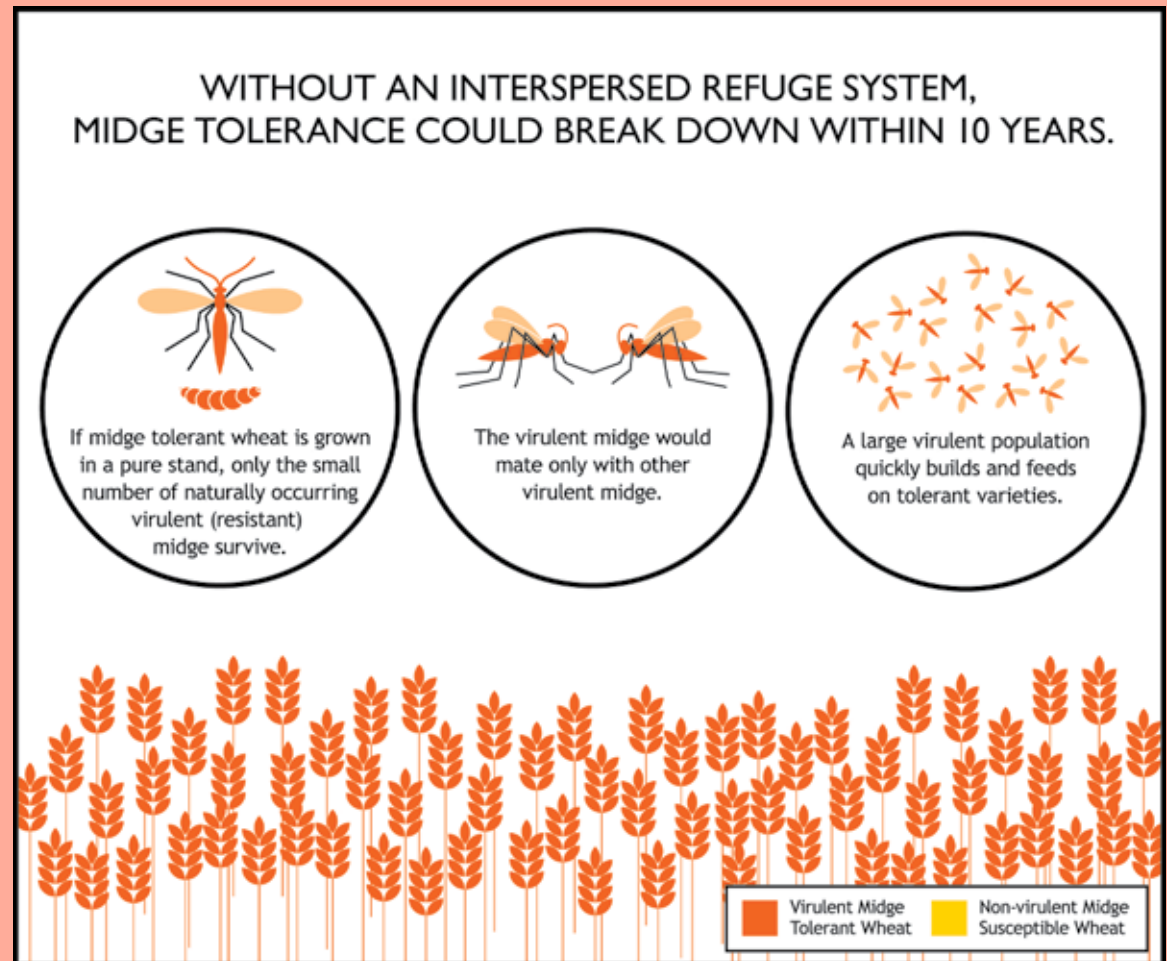
Primary control of the orange wheat blossom midge is by seeding midge tolerant wheat varieties. Current insecticidal control options are very limited and are only effective on the adult midge versus the larvae which causes the actual damage. Midge tolerant wheat varieties have the Sm1 gene which stops midge larvae from feeding on wheat kernels. All midge tolerant wheat varieties are sold as varietal blends where 10 per cent of the seed is a refuge variety that is not midge tolerant. This is an important characteristic that slows midge communities from overcoming the tolerance trait by reducing selection pressure for resistant individuals.

Midge tolerant wheat varieties come with a stewardship agreement, which allows the use of farm-saved seed only one generation past certified. This is important because it ensures the interspersed refuge of the non-midge tolerant variety remains at a sufficient density. This stewardship agreement is evergreen, so a grower is only required to sign it once.

To help assess risk for orange wheat blossom midge, provincial authorities in Alberta and Saskatchewan have developed forecast maps. Forecasts are based on larval

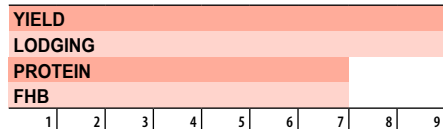
density in soil surveys taken each fall. Larvae can stay dormant in the soil for several years but growing seasons with at least 25 mm of cumulative rainfall in May will trigger adult emergence. Midge damage in previous crops can also be an indicator of future pressure.

With the volatile growing seasons that have plagued Western Canada in recent years, seeding a midge tolerant wheat variety provides peace of mind against orange wheat blossom midge. Midge tolerant wheat varieties protect the bottom line.



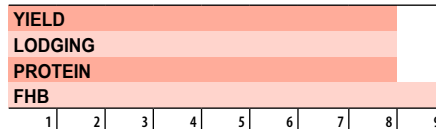
	Brand	Class	Maturity (+/- Days)	Yield (% of Check)	Plant Height (+/- CM)	Lodging	Protein % (+/- Check)	Test Weight (lbs/bu)	Awn Type
CWRS WHEAT									
Check	AAC Brandon	CWRS	93	100	80	G	14.6	N/A	Awned
NEW	AAC Broadacres VB	CWRS	1	103	3	VG	-0.3	N/A	Awned
	AAC Russell VB	CWRS	0	101	4	VG	0.1	N/A	Awned
	CDC Hughes VB	CWRS	-1	98	2	G	0.0	N/A	Awned
	SY Brawn VB	CWRS	-1	98	8	G	0.3	N/A	Awned

ACC Broadacres VB CWRS

NEW
WHEAT


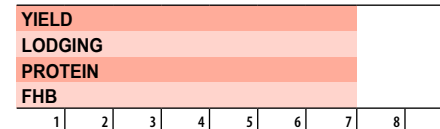
- Proven Seed's flagship CWRS product
- Highest yield of Proven Seed's CWRS wheats paired with excellent standability

AAC Russell VB CWRS

NEW
WHEAT


- A well balanced variety with an excellent combination of features
- Very high yield, combined with good protein and very good standability in an early maturing package
- Powerful disease package—offering MR to FHB R/MR to leaf rusts, stem rust and bunt

CDC Hughes VB CWRS

NEW
WHEAT


- A consistent performer which offers high yields and heavy bushel weights
- Offers dependable performance, resistance to sprouting, and is noted for its easy threshing
- Proven Seed's only semi solid stem variety—offering protection against sawfly



Stem Rust

Leaf Rust

Stripe Rust

Loose Smut

Bunt

Leaf Spot

FHB

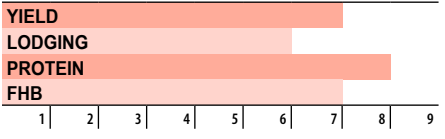
Soil Zone

Brand

Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB	Soil Zone	Brand
R	R	MR	MR	S	I	MR		AAC Brandon
R	R	MR	N/A	R	N/A	I	All	AAC Broadacres VB
MR	R	R	N/A	MR	N/A	MR	All	AAC Russell VB
R	MR	I	MR	MS	I	I	All	CDC Hughes VB
MR	R	I	N/A	MR	N/A	I	Brown, Dark Brown	SY Brawn VB

WHEAT

SY Brawn VB CWRS



- Very high protein potential and strong yield
- Performs especially well in the Brown and Dark Brown soil zones



CWRS WHEAT

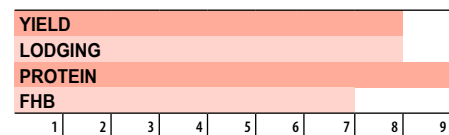
Brand	Class	Maturity (+/- Days)	Yield (% of Check)	Plant Height (+/- CM)	Lodging	Protein % (+/- Check)	Test Weight (lbs/bu)	Awn Type
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CWRS WHEAT

SY Cast	CWRS	0	97	0	VG	0.4	N/A	Awned
CDC Ortona	CWRS	-2	93	7	VG	-0.2	N/A	Awnless
CDC Pilar CL Plus	CWRS	-1	94	-4	VG	-0.4	N/A	Awned
CDC Succession VB CL Plus	CWRS	0	98	2	VG	0.0	N/A	Awned



SY Cast *CWRS*



- An excellent mix of yield and excellent protein
- Earlier maturing, short wheat which is rated very good for lodging
- Performs especially well in the Brown and Dark Brown soil zones



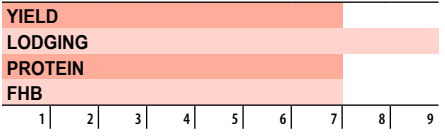
Stem Rust Leaf Rust Stripe Rust Loose Smut Bunt Leaf Spot FHB Soil Zone Brand

R	R	R	N/A	R	N/A	I	Brown, Dark Brown	SY Cast
R	R	R	N/A	S	N/A	I	Black, Grey	CDC Ortona
MR	R	MS	N/A	MR	N/A	I	Black, Grey	CDC Pilar CL Plus
MR	MR	I	N/A	S	N/A	MS	All	CDC Succession VB CL Plus

WHEAT

CDC Ortona CWRS

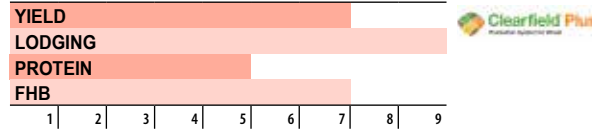
WHEAT



- An awnless wheat which is the successor to the renowned CDC Stanley
- Early maturing, excellent standability due to its straw strength
- Strong balance of yield and protein

CDC Pilar CL Plus CWRS

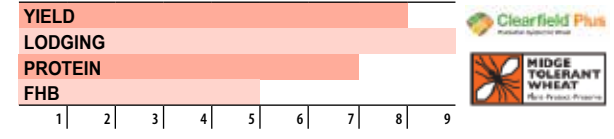
WHEAT



- Semi dwarf option for growers concerned with standability and straw management
- Performs especially well in the Parkland areas of Alberta

CDC Succession VB CL Plus CWRS

WHEAT



- Combines Clearfield® Plus and midge tolerance in a single package
- High yielding with excellent standability
- Midge tolerant varietal blend – providing protection against Orange Blossom Wheat Midge

CWRS WHEAT

Brand	Class	Maturity (+/- Days)	Yield (% of Check)	Plant Height (+/- CM)	Lodging	Protein % (+/- Check)	Test Weight (lbs/bu)	Awn Type
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CPSR WHEAT

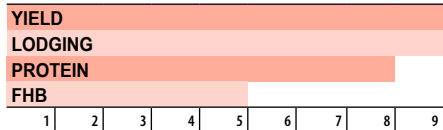
Check	AAC Brandon	CWRS	93	100	80	G	14.6	64.7	Awned
	5700PR	CPSR	1	102	-2	VG	-0.8	64.2	Awned
	SY Rorke	CPSR	1	102	0	G	-1.4	64.1	Awned

CWAD WHEAT

Check	Transcend	CWAD	97	100	95	F	14.9	60.3	Awned
NEW	CDC Covert	CWAD	0	103	-9	G	-0.6	60.0	Awned
	CDC Flare CL Plus	CWAD	-1	106	-8	VG	-0.5	59.3	Awned
	CDC Dynamic	CWAD	0	96	-8	F	0.5	59.9	Awned

5700PR CPSR

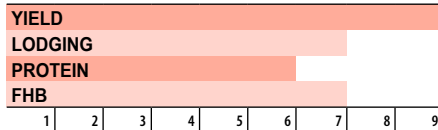
WHEAT



- The standard for CPSR growers with the best overall balance of features
- High yield potential partnered with phenomenal lodging resistance

SY Rorke CPSR

WHEAT



- For growers who are pushing for maximum yield
- Very high yield potential
- Intermediate rating for FHB



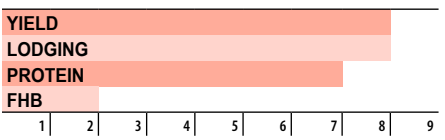


WHEAT

CPSR WHEAT & CWAD WHEAT

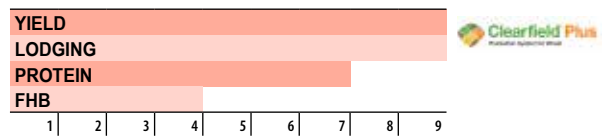
Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB	Soil Zone	Brand
R	R	MR	MR	S	I	MR		
R	I	S	MS	R	MS	MS	Dark Brown, Black	
R	R	S	N/A	MS	N/A	I	Dark Brown, Black	
R	R	R	S	R	I	MS*		
R	R	R	N/A	R	N/A	S	Brown, Dark Brown	
MR	R	S	R	R	I	MS	Brown, Dark Brown	
MR	R	MR	I	R	I	MS	Brown, Dark Brown	

CDC Covert CWAD **NEW WHEAT**



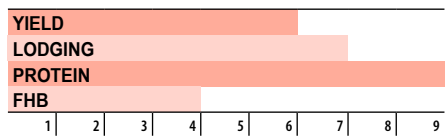
- Our newest durum line
- Offers very high yields, good lodging resistance, and a robust disease package
- Early maturing

CDC Flare CL Plus CWAD **WHEAT**



- The first and only Clearfield durum in the Canadian market
- Very high yields with very good standability, you sacrifice nothing in order to gain the benefits of Clearfield Plus
- Tailor made for durum and lentil growers who are at risk of crop damage due to IMI herbicide carryover

CDC Dynamic CWAD **WHEAT**



- High yield, high test weight, and high protein in a single package
- Easy threshing



Grow with confidence

Nutrien
Ag Solutions®

	Brand	Type	Maturity (+/- Days)	Yield (% of Check)
FEED BARLEY				
Check	AAC Synergy	2 Row Malt	87	100
	Altorado	2 Row Feed	0	106
	Oreana	2 Row Feed	1	101
	Claymore	2 Row Feed	1	104

LEGEND

RATING SCALE:

- 9 = Excellent
- 7-8 = Very Good
- 5-6 = Good
- 3-4 = Fair
- 1-2 = Poor
- N/A = Not Applicable

LODGING RATING

- EX = Excellent
- VG = Very Good
- G = Good

DISEASE RESISTANCE RATING:

- R = Resistant
- MR = Moderately Resistance
- MS = Moderately Susceptible
- S = Susceptible

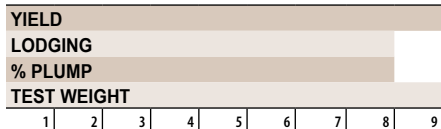
Red= New

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Plant Height (+/- CM)	Lodging	% Plump (+/- Check)	Test Weight (lbs/bu)	Awn Type	Loose Smut	Other Smut	Stem Rust	Scald	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	FHB	Soil Zone	Brand
82	F	91.1	52.4	Rough	S	I	MR	S	MR	R	R	I	I		AAC Synergy
-4	VG	87.0	53.6	Rough	MR	MR	MR	S	MR	S	MR	S	I	Dark Brown, Brown, Black	Altorado
-10	VG	87.8	53.2	Rough	S	S	I	S	I	S	MR	I	S	Dark Brown, Brown, Black	Oreana
1	VG	86.7	52.2	Rough	S	R	MR	S	I	S	I	I	MR	Dark Brown, Brown, Black	Claymore

Altorado *Feed Barley*

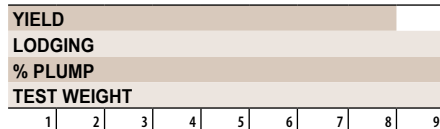
BARLEY



- A dual purpose feed/silage line
- Excellent yield potential for both feed grain or silage
- Two row, rough awned

Oreana *Feed Barley*

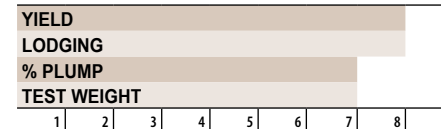
BARLEY



- A true semi-dwarf barley, well suited for manured soils or high input operations
- Very short straw—desirable for standability, straw management, or simply pushing less material through the combine
- Two row, rough awned

Claymore *Feed Barley*

BARLEY



- A dual purpose feed/silage line
- An excellent fit for the eastern prairies due to its MR rating for FHB
- Two row, rough awned

	Brand	Yield (% of Check)	% Crude Protein	TDN (%)
SILAGE BARLEY				
Check	CDC Austenson	100	10.2	61
	Altorado	103	10.5	63
	Claymore	100	9.8	62



MUSTARD

Brand	Variety	Type	Yield	Average Days to Maturity	Height (cm)	Blackleg	White Rust
Proven Seed	Andante	Yellow (Sinapsis Alba)	101% of AC Pennant	90	95	R	S
Proven Seed	AC Pennant	Yellow (Sinapsis Alba)	100% (check)	92	101	R	S
Proven Seed	AAC Yellow 80	Yellow (Sinapsis Alba)	109% of Andante Yellow	92	128	R	S
Proven Seed	Centennial Brown	Brown (Brassica Juncea)	103% of Duchess	92	133	R	S
Proven Seed	AAC Brown 18	Brown (Brassica Juncea)	120% of Centennial Brown	91	138	R	R - 2a, S - 2v
Proven Seed	Cutlass	Oriental (Condiment)	100% (check)	90	113	R	R - 2a, S - 2v
Proven Seed	Forge	Oriental (Condiment)	97% of Cutlass	92	124	R	R

Andante

MUSTARD

- High contract demand
- Improved seed weight
- Suitable for all growing regions

AC Pennant

MUSTARD

- Can be straight combined

AAC Yellow 80

MUSTARD

- Composite mustard variety
- Excellent harvestability
- Improved yield

Centennial Brown

MUSTARD

- Lower green seed counts
- Improved seed weight

AAC Brown 18

MUSTARD

- Hybrid mustard
- Strong disease package
- Fit for all growing areas

Cutlass

MUSTARD

- Improved seed weight

Forge

MUSTARD

- Low green seed counts

LEGEND

DISEASE RESISTANCE RATING:

- R = Resistant
- MR = Moderately Resistance
- MS = Moderately Susceptible
- S = Susceptible



Brand	Grain Colour	Yield (% CDC Bethune)	Relative Maturity (+/- Days to CDC Bethune)	Plant Height (CM)
NEW WestLin 60	Brown	98	-1	53.0
WestLin 72	Brown	103	2.5	55.0
NuLin 50	Yellow	103	2	54.4



NuLin 50

NuLin 50 is a yellow seeded flax/linseed with enhanced omega-3 (linolenic) levels beyond anything currently available. It contains high levels of oil and protein content, as well as dietary fibre, phytochemicals (phenols), vitamins and minerals.

NuLin 50 provides consumers with one of the most powerful nutritional and disease preventing packages from plant sources for food uses. It has a wide range of utilization across its food oil, whole seed, meal/cake or industrial oil forms.

Below are some examples of NuLin 50 utilization:

Food Oil

- Expeller crush to produce high quality oil
- Food enrichment with omega-3 – margarine, yogurt, etc.

Whole Seed

- Broad based nutrition: oil, protein, soluble and insoluble fibre, phytochemicals (lignans, antioxidants), vitamins, minerals
- Bakery: toppings, multi-grain, ground into “flour”
- Pet food: valuable source of omega-3
- Chicken feeds: as a feed ingredient for production of omega-3 in eggs.

Meal (3% residual oil) or Cake (8% residual oil)

- Livestock industry, mainly ruminant feeds: high protein, residual oil and energy
- Extraction of protein for high nutritional value protein isolates
- Extraction of lignans - natural source plant estrogen

Industrial Oil

- Linoleum floor coverings
- Polymerized oil producing variable viscosity for applications in printing inks, paints, chemicals
- Boiled oil for wood preservatives

ALFALFA	PV Parlour HG	GRASSES	Brome	AC Knowles Hybrid Bromegrass	MASTER BLENDS	Annualmaster	ANNUALS	hps® Sunflower
	PV Ultima			hps® Smooth Bromegrass		Cowboymaster ^{NEW}		hps® Buckwheat
	PV VR Total			Fleet Meadow Bromegrass		Dualmaster		hps® Chicory
	PV Halo 2		Fescue	Barolex Tall Fescue		Equimaster Dry		hps® Plantain
	PV Spredor 5			Boreal Creeping Red Fescue		Equimaster Hay		hps® Teff
	hps® Premium Alfalfa Blend			hps® Meadow Fescue		Equimaster II		German Golden Millet
PV Algonquin	Orchard		Baridana Orchardgrass	Floodmaster		Cerise Proso Millet		
hps® Birdsfoot Trefoil			Blizzard Orchardgrass	Grazemaster		Pearl Hybrid Millet		
Leo Birdsfoot Trefoil	Ryegrass		hps® Annual Ryegrass	Haymaster Beef		GW-400 BMR Sorghum		
AC Veldt Cicer Milkvetch			hps® Italian-Annual Ryegrass Blend	Haymaster Dairy		Nutri-King BMR 6 Sorghum		
hps® Cicer Milkvetch			hps® Perennial Ryegrass	Haymaster Dry		hps® Sorghum		
AAC Mountainview Sainfoin	Timothy		Barpenta Timothy	Haymaster Deluxe ^{NEW}		hps® Fall Rye		
Shoshone Sainfoin			Crest Timothy	Haymaster 50 ^{NEW}		Haymaker Oats		
hps® Sainfoin			Derby Timothy	Haymaster Grass		hps® Sugar Beet		
hps® Alsike Clover			Grindstand Timothy	Haymaster Limited		hps® Radish (daikon/tillage/forage)		
hps® Red Clover			Climax Timothy	Haymaster Ultimate		hps® Kale		
hps® Double Cut Red Clover			Basho Timothy	hps® Haymaster II		hps® Turnip		
hps® Yellow Blossom Sweet Clover	hps® Timothy		Rangemaster	hps® Forage Rape				
hps® White Clover	Trygve Timothy	Beefmaster	hps® Hairy Vetch					
Glacier White Clover	Wheatgrass	AC Saltlander Green Wheatgrass	Legumaster	hps® Chickling Vetch				
		Kirk Crested Wheatgrass	Meadowmaster	hps® Berseem Clover				
		Fairway Crested Wheatgrass	Plainsmaster	hps® Crimson Clover				
		hps® Intermediate Wheatgrass	Ranchmaster II	hps® Balansa Clover				
		Greenleaf Pubescent Wheatgrass	Brinemaster ^{NEW}	hps® Sorghum				
		Revenue Slender Wheatgrass	Salinemaster	Boulevard Mix				
		hps® Tall Wheatgrass	Saltmaster	Northland Downs				
	hps® Western Wheatgrass	Seasonmaster	Playground Mix					
	Other	hps® Creeping Foxtail	Stockmaster	Sunrise Estates				
		hps® Reed Canarygrass		Three-Way Kentucky Bluegrass Blend				
		Ginger Kentucky Bluegrass		Annual Pollinator				
				Perennial Pollinator				

Proven Seed has an extensive list of forage products available.

From elite alfalfas to top performing Master Blends and native species, we have a product that will fit your operation.

Please contact your local Nutrien Ag Solutions retail to find out what is currently available as this list is subject to change based on product availability.



FORAGES

The Proven Path to Higher Profits



Once again, the PV Profits Program from Nutrien Ag Solutions® returns, giving you even more savings on the seed and crop inputs you know and trust.

The PV Profits program, links Proven® Seed lines with rebates on nitrogen fertilizer, phosphate fertilizer, as well as savings on crop protection products. The program currently applies to your canola, corn, and soybean seed acres.

Saving with PV Profits is easy! Simply book your Proven Seed and qualifying products by certain deadlines and you'll earn a \$ amount per acre, which will be delivered as a credit on your account at Nutrien Ag Solutions. You can stack products across Seed, qualifying CPP, and Fertilizer shelves to maximize your earnings.

PV Profits is a proven way to keep more money in your wallet.

For more information on qualifying products and booking deadlines, visit your local Nutrien Ag Solutions retail or go to www.provenseed.ca.

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NutrienAgSolutions.ca

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Nutrien Ag Solutions is the leading provider of agricultural products and services for Western Canada. We are dedicated to helping growers achieve maximum success in the field. We do this by providing growers with the latest technologies, products and services and by leveraging our extensive experience and unparalleled relationships with suppliers. With over 200 retail locations in communities across Western Canada, we are working to redefine agricultural retail.

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