Celebrating One Hundred Years

1926-2026

PIONEER®

HUNDRED YEARS

2026 PRODUCT GUIDE

CORTEVA™ agriscience

1926-2026

Celebrating One Hundred Years

PIONEER®
HUNDRED YEARS

ONE FARMER. ONE SEED. ONE SEASON.

One farmer can make a difference.
And one seed can grow the future.
One hundred years ago, Henry A. Wallace and the founders of Pioneer revolutionized farming with the commercialization of hybrid seed corn.

Will you be the one to launch what's next?

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2024 Pioneer® Yield Hero Winners

WESTERN CANADA

CANOLA

NAME/FARM	PROVINCE	HYBRID	YIELD BU/AC
Plugged Run Farms	Alberta	**45CS40**	**67.5**
Donald Roberts	Alberta	**P510G**	**68.2**
Dallan Keichinger	Alberta	**P612L**	**65.7**
Dau Farms (Dallas Dau)	Alberta	**P519L**	**53.5**
Justin Schwab	Alberta	**P511G**	**47.5**
Kohut Farms	Alberta	**P612L**	**54.0**
SS Farms + Crosswind Acres	Alberta	**P520L**	**45.6**
Kaupp Family Farms	Alberta	**P520L**	**33.7**
202 AgVentures	Saskatchewan	**P519L**	**57.0**
Blaise Zrudlo	Saskatchewan	**P612L**	**54.5**
Derek Blerot (Triple B Farms Ltd.)	Saskatchewan	**P520L**	**48.5**
Sucor Farms Ltd.	Saskatchewan	**P510G**	**38.6**
Stuart Southgate	Saskatchewan	**45H42**	**54.9**
Jeff Kohle	Saskatchewan	**P516L**	**62.1**
Shannon Lake Farms	Saskatchewan	**P516L**	**55.6**
BIRG Grain Farm	Saskatchewan	**P520L**	**48.0**
Causeway Farms	Saskatchewan	**P520L**	**40.4**
Vanzessen Dairy Inc.	Saskatchewan	**P520L**	**44.2**
Danny Chescu	Manitoba	**P515G**	**73.0**
Dianna Fraser	Manitoba	**P505MSL**	**50.8**
Wes Wieler	Manitoba	**P617SL**	**52.4**

CORN

NAME/FARM	PROVINCE	HYBRID	YIELD BU/AC
Jake Heppner	Manitoba	**P82288AM™**	**229.4**
Tourond Farms Ltd.	Manitoba	**P7822AM™**	**205.0**
Four Oak Farms	Manitoba	**P87040AM™**	**203.7**

For full contest rules and regulations, please visit: yieldhero.pioneer.com

The NEW standard in canola insecticide seed treatment is here.

UNMATCHED CONTROL

ACCELERATED CROP GROWTH

UNWAVERING PERFORMANCE

Lumiderm™ ONIQ

INSECTICIDE SEED TREATMENT

Lumiderm™ ONIQ insecticide seed treatment sets a new standard in canola protection.

No matter the conditions, Lumiderm ONIQ delivers:

- Unmatched control of flea beetles and cutworms
- Improved early season vigour and plant stand establishment
- Powerful protection that outlasts the competition

Experience canola seedling protection at its best.

Available on Pioneer® brand canola hybrids this fall.
Talk to your local Pioneer Sales Representative today.

PIONEER®

Exclusive to Corteva seed brands. CORTEVA™ agriscience

RAISE YOUR YIELD EXPECTATIONS.

100 SERIES

MEANINGFULLY DIFFERENT CANOLA HYBRIDS.

Built on 100 years of seed innovation and an unwavering commitment to farmers, Pioneer® 100 Series canola hybrids deliver a step-change in yield performance and agronomic traits. With local experts who know your land like it's their own, we're here to help you unlock the full potential of every acre.

Contact your local Pioneer Sales Representative or visit Pioneer.com/100Series

CORTEVA™ agriscience

PIONEER® HUNDRED YEARS

CELEBRATING 100 YEARS OF IMPACT

UNLOCK THE GENETIC POTENTIAL OF YOUR CANOLA WITH OPTIMUM® GLY

Achieve top-end yield potential with Optimum® GLY canola - the highest yielding glyphosate-tolerant trait on the market, offering complete herbicide application flexibility.

The Optimum® GLY Advantage:

- Yield Consistency
- Herbicide Application Flexibility
- Improved Crop Safety

106%

Higher-Yielding

Pioneer® brand P1530G
vs. TruFlex Canola

Based on Pioneer® brand P1530G vs C2600 CR-T; PV780TC; CS3000TF; DK901TF; DK902TF; DK900TF; CS3100TF; BY6216TF; CS3300TF; CS3200TF. Two (2) YR summary (2023/2024); Combined Field Scale and IMPACT™ locations; 233 comparisons

Weed Control Timing

Plant Optimum® GLY canola. | Apply glyphosate herbicides. No later than 1st flower.

Contact your Pioneer Sales Representative or visit optimumgly.ca to learn more.

Optimum® GLY
HERBICIDE TOLERANCE

Learn more at Optimumgly.ca

Pioneer® brand Canola Hybrids

Product	Maturity	Herbicide Tolerant Trait	Pod Shatter Premium Technology	Clubroot Resistance	Clubroot	Blackleg Rating	Blackleg Score	Sclerotinia	Verticillium Stripe	Early Growth	Standability	Plant Height
100 SERIES *NEW* P1530G	5	Optimum GLY		CR6	R	MR	7		4	7	7	8
NEW P524G	5	Optimum GLY		CR6	R	R	7		5	7	6	7
P515G	5	Optimum GLY		CR1	R	R	7		3	7	7	8
P511G	5	Optimum GLY		CR3	R	R	7		5	7	8	7
P510G	5	Optimum GLY		CR3	R	R	7	6	5	7	8	7
100 SERIES *NEW* P1540L*	5	LIBERTY LINK	PSP	CR8	R	R	7		4	7	7	7
P520L	5	LIBERTY LINK	PSP	CR9	R	R	8		3	7	7	7
P519L	5	LIBERTY LINK		CR10	R	R	8		3	7	7	7
P516L	5	LIBERTY LINK		CR6+	R	R	7		6	8	7	7
P617SL	6	LIBERTY LINK		CR9	R	R	7	8	7	6	7	8
P505MSL	5	LIBERTY LINK		CR1	R	R	7	6	5	8	6	8
P612L	6	LIBERTY LINK		CR4	R	R	7		5	8	7	8
P508MCL	5	Clearfield Production System for Canola				R	7		4	8	7	8
P514CL	5	Clearfield Production System for Canola		CR5	R	R	8		3	7	7	8
44H44	4	Roundup Ready CANOLA		CR1	R	R	7		2	8	7	7

NEW = New Product
* Preliminary Data - to be finalized after the 2025 growing season.
RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data.
MATURITY: 9 = Late; **6** = Medium; **5** = Medium-Early; **3** = Early; **1** = Very Early.
POD SHATTER PREMIUM (PSP) TECHNOLOGY offers a new level of pod shatter performance for Pioneer® band canola hybrids allowing them to be straight cut with confidence.
CLUBROOT RESISTANCE: Shows different source of Clubroot resistance. CR1 is different from CR2, CR2 is different from CR3, etc.
For complete definitions and disclaimers related to product descriptions, characteristic ratings and disease ratings, and all other information contained herein, see page 30.

NEW

100 SERIES

P1540L™

LIBERTY LINK PSP CR

HIGHEST YIELDING PIONEER® BRAND CANOLA EVER.

- Step-change in yield performance
- Broad, robust Clubroot pathotype resistance package - CR8 (5) (2F, 3H, 5I, 6M, 8N, 3A, 3D, 2B, 8E)
- Pod Shatter Premium (PSP) Technology
- Standability similar to Pioneer® brand P516L
- R for Blackleg - Seedling and Adult Plant Resistance
- Verticillium Tolerance score – 4

Pioneer® brand P1540L	**104%**
InVigor® L340PC	100%
34 locations	
Pioneer® brand P1540L	**111%**
Pioneer® brand P516L	100%
34 locations	

NEW

100 SERIES

P1530G™

Optimum GLY CR

NEW YIELD STANDARD FOR PIONEER® BRAND OPTIMUM® GLY CANOLA.

- Step change in yield for Optimum® GLY canola.
- Broad, robust Clubroot pathotype resistance package - CR6 (4,5) (2F, 3H, 5I, 6M, 8N, 3A, 3D, 2B, 8E, 11A)
- Excellent early growth performance
- Lodging tolerance is similar to Pioneer® brand P515G
- Good Verticillium Tolerance score – 5

Pioneer® brand P1530G	**105%**
DEKALB® 900/901/902	100%
124 locations	
Pioneer® brand P1530G	**106%**
Pioneer® brand P515G	100%
120 locations	

NEW

P524G™

Optimum GLY CR

NEW, EARLY MATURING OPTIMUM® GLY CANOLA HYBRID.

- Over 1-day earlier maturing than Pioneer® brand P510G
- Broad, robust Clubroot pathotype resistance package - CR6 (4,5) (2F, 3H, 5I, 6M, 8N, 3A, 3D, 2B, 8E, 11A)
- Very good early growth
- R for Blackleg – Adult Plant and Seedling resistance
- Good Verticillium Tolerance score - 5

Pioneer® brand P524G	**101%**
Pioneer® brand 44H44	100%
36 locations	
Pioneer® brand P524G	**97%**
DEKALB® DK902TF	100%
48 locations	

Source: 2023-2024 yield data summarized from large scale and IMPACT™ trials across Western Canada as of October 31, 2024.

Featured Canola Hybrids

P520L™

LIBERTY LINK PSP CR

FIRST POD SHATTER PREMIUM (PSP) TECHNOLOGY HYBRID IN THE PIONEER® BRAND CANOLA LINEUP.

- CR9 (3,4,5) Clubroot resistance
  - Excellent control of new pathotypes (2F, 3H, 5I, 6M, 8N, 3A, 3D, 5X, 2B, 8E, 11A, 9E)
- R for Blackleg – Strong Adult Plant resistance
- Very good lodging tolerance & harvestability
- 5L Maturity – Similar to Pioneer® brand P505MSL
- Verticillium Tolerance score - 3

Pioneer® brand P520L	**100%**
Pioneer® brand P516L	100%
234 locations	
Pioneer® brand P520L	**101%**
DEKALB® DK801LL	100%
13 locations	

P519L™

LIBERTY LINK CR

EARLY MATURING HYBRID WITH EXCELLENT BLACKLEG AND LEADING CLUBROOT RESISTANCE.

- CR10 (1,2,4,5) – Strong resistance to all new pathotypes (2F, 3H, 5I, 6M, 8N, 3A, 3D, 2B, 5X, 11A, 8E, 9C, 9E)
- R for Blackleg – Seedling & Adult Plant resistance
- Early Maturity – 2 days earlier than Pioneer® brand P516L
- Shorter statured hybrid with strong lodging tolerance
- Weaker Verticillium Tolerance score - 3
  - Improved versus Pioneer® brand P509L

Pioneer® brand P519L	**102%**
Pioneer® brand P509L	100%
90 locations	
Pioneer® brand P519L	**95%**
InVigor L343PC	100%
114 locations	

P516L™

LIBERTY LINK CR

CONSISTENT YIELD PERFORMANCE WITH RESISTANCE TO ALL NEW CLUBROOT PATHOTYPES.

- CR6+ (4+,5) (2F, 3H, 5I, 6M, 8N, 2B, 3A, 3D, 5X, 11A, 8E, 9C, 9E)
- R for Blackleg – Adult Plant resistance
- Consistent yield performance
- Excellent early growth performance
- Strong Verticillium Tolerance score - 6

Pioneer® brand P516L	**100%**
Pioneer® brand P520L	100%
234 locations	
Pioneer® brand P516L	**98%**
InVigor L343PC	100%
115 locations	

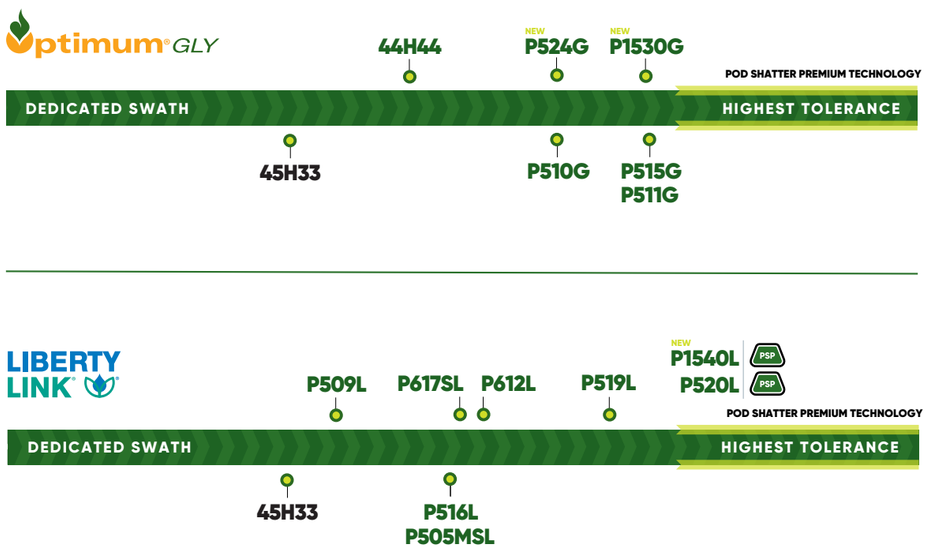
Source: 2023-2024 yield data summarized from large scale and IMPACT™ trials across Western Canada as of October 31, 2024.

Pod Shatter Premium (PSP) Technology

Confidently straight cut with Pod Shatter Premium (PSP) Technology

Pod Shatter Premium (PSP) Technology offers a new level of pod shatter performance for Pioneer® brand canola hybrids allowing them to be straight cut with confidence.

Pioneer® brand canola hybrids with PSP technology:
Have **NEW GENETICS.** Are **DATA DRIVEN.** Are **FIELD PROVEN.**



Specific/Local relative performance may vary by environment.
Values do not depict a specific percentage of shatter but allow cultivars to be considered relative to designated checks.

Scan the QR code to learn more about PSP Technology

Clubroot

When it comes to Clubroot, Pioneer® brand canola hybrids are a generation ahead.

- 1st generation Clubroot protection is no longer sufficient.
- Pioneer® brand CR Clubroot designation offers protection to ALL predominate clubroot races.
- Pioneer® brand CR designated genetics offer high yield and agronomic improvements without sacrificing Clubroot resistance.

			Initial Pathotypes		New Pathotypes	
Canola Hybrids	Corteva CR Groups*	CR Gene(s)	3H	8N	3A	3D
P515G	CR1	1	R	R	S	S
P505MSL, P509L	CR1	1	R	R	S	S
P510G	CR3	3	R	R	R	R
P511G	CR3	3	R	R	R	R
P612L	CR4	1,4	R	R	R	R
P514CL	CR5+	1,4+,5	R	R	R	R
NEW P524G	CR6	4,5	R	R	R	R
NEW P1530G	CR6	4,5	R	R	R	R
P516L	CR6+	4+,5	R	R	R	R
NEW P1540L	CR8	5	R	R	R	R
P520L	CR9	3,4,5	R	R	R	R
P617SL	CR9	3,4,5	R	R	R	R
P519L	CR10	1,2,4,5	R	R	R	R

Resistant
Susceptable

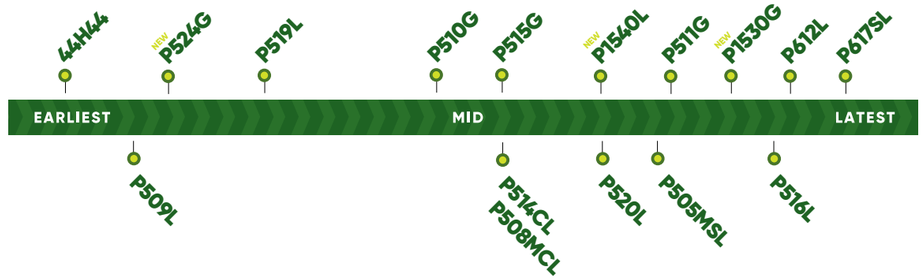
*CR groups contain different Clubroot resistant gene packages
CR6+ Higher level of Clubroot trait expression

All CR designated hybrids offer resistance to the most predominate pathotypes in Western Canada.

*For complete table, definitions, and disclaimers related to clubroot pathotypes controlled, genes, and all other information contained herein, see page 30.

Scan the QR code to learn more about Clubroot

Canola Maturity Chart



The Corteva Agriscience™ Acre

Helping you Maximize Your Yield Potential and Investment

Maximize your yield and profitability with the Corteva Agriscience™ Acre. Grow high-performing canola hybrids developed through Corteva's breeding programs and ensure robust yields and disease protection. Pair your hybrids with Corteva's leading crop protection solutions to maximize yield potential and protect its genetic potential.

Pre-Seed	**Prospect™** Arylex™ active HERBICIDE	• With Prospect™ herbicide, your canola will have the best start possible. • Prospect tank mixed with glyphosate will give you game-changing performance against the toughest broadleaf weeds, including cleavers and hemp-nettle. • Prospect herbicide featuring Arylex™ active provides more consistent and complete control than glyphosate alone with multiple modes of action to guard against resistance.
Seed Treatment	NEW **Lumiderm™** ONIQ INSECTICIDE SEED TREATMENT	• NEW Lumiderm™ ONIQ provides unmatched control of flea beetles and cutworms, improved early season vigour and plant stand establishment, protecting canola crops longer, under any conditions.
	Lumiscend™ FUNGICIDE SEED TREATMENT	• Lumiscend™ is a unique new active for seedling Blackleg protection. Paired with industry-leading adult Blackleg genetics, it sets a new standard in Blackleg protection.
Fungicide	**Viatude™** Onmira™ active FUNGICIDE	• Viatude™ fungicide delivers premium performance from two of the strongest sclerotinia and white mould actives on the market, ensures best-in-class protection of canola yield. • Viatude fungicide protects plants inside and out through protectant and systemic movement, maximizing yield potential and profitability.
Biologicals	**X-Cyte™**	• X-Cyte™ is designed to increase plant resilience and safeguard yield by proactively protecting crops from heat blast, reducing flower/kernel abortion and preventing pod loss caused by heat stress.
	Utrisha™ N NUTRIENT EFFICIENCY BIOSTIMULANT	• Utrisha™ N nitrogen efficiency biostimulant maximizes crop potential, utilizing natural bacteria to capture and supply nitrogen to plants when they need it the most.

Combine your Pioneer® brand seed purchase with the products above or any other crop protection products from Corteva and earn additional savings through our Flex+ Rewards Program. Choose from a portfolio of high-performing, world-class products, and earn rewards without sacrificing agronomics.

CORTEVA™ agriscience | FLEX+ REWARDS

Yield. Protection. Flexibility.

The two fastest-growing corn traits in Canada are available in Pioneer® corn hybrids.

Pioneer® brand PowerCore® Enlist™ Corn

- Maximized corn **yield** potential.
- Exceptional broad-spectrum **protection** against above-ground pests.
- **Flexibility** of the easy, effective, and neighbour-friendly Enlist™ weed control system.

Pioneer® brand Vorceed® Enlist™ Corn

- Maximized corn **yield** potential.
- 99% reduction in adult corn rootworm emergence.
- Exceptional broad-spectrum **protection** against above-and-below-ground pests.
- **Flexibility** of the easy, effective, and neighbour-friendly Enlist™ weed control system.
- Vorceed Enlist is only available in Pioneer® brand corn hybrids.

BRAND	INSECT PROTECTION MODES OF ACTION		HERBICIDE TOLERANCE
	ABOVE	BELOW	
PowerCore® Enlist™	✔✔✔		✔✔✔✔ 2,4-D Choline, Glyphosate, Glufosinate, FOP herbicides
RNAi TECHNOLOGY Vorceed® Enlist™	✔✔✔	✔✔✔	✔✔✔✔ 2,4-D Choline, Glyphosate, Glufosinate, FOP herbicides

Talk to your Pioneer Sales Representative or visit Pioneer.com/Canada

PIONEER® BRAND TONNEDGE CORN SILAGE PRODUCTS

TONNEDGE

Pioneer® brand exclusive corn silage TonnEdge hybrids, powered by the Silage Zone,® offer livestock producers products that deliver high tonnage potential and superior plant health while providing an edge over the competition with a focus on local selection, agronomics and quality. All this comes with the service, support, and tools you need to produce the highest quality feed for your operation.

Where do Pioneer® brand Corn Silage TonnEdge hybrids raise the bar?

DELIVERING MORE TONNAGE POTENTIAL

Pioneer® brand corn silage TonnEdge products are bred to deliver high tonnage potential to optimize the profitability of **every. single. acre.**

- Hybrids are selected for high tonnage potential, but also focus on balancing agronomic stability to perform in your fields. Hybrids are developed with a focus on high biomass yield.
- Genetic selection: Powered by a robust R&D engine, we invest in bringing new elite germplasm that is rigorously tested to ensure it performs in a variety of environments and conditions before it makes it into a Pioneer bag.

FOCUSING ON IMPROVED AGRONOMICS.

Pioneer® brand corn silage TonnEdge products are bred and selected for **key regional agronomic traits** to **maximize quality.**

- Hybrids offer superior plant health with built-in resistance to common diseases and pests while also offering stress tolerance to perform under challenging environmental conditions and extend their yield over time.
- Hybrid selections also focus on general regional agronomic characteristics that are offer an advantage.
- Local breeders select traits and agronomics to perform on your acres.
- Late-season plant health allows for more starch deposition, maintains fiber digestibility and offers a wider harvest window.

BRINGING HYBRIDS THAT DRIVE HIGH QUALITY.

Silage producers obtain the quality feed they need to produce **more milk** and/or **more beef.**

- These key quality characteristics include starch, fiber digestibility and milk/beef per acre.
- Products that deliver high starch levels in multiple growing environments.
- Products that offer high nutritional quality which translates to better feed efficiency and improved animal performance.

Contact your local Pioneer team for more information.

GRAIN CORN

Pioneer® brand Grain Corn Hybrids

Brand***	Technology Segment	CHU	CRM	Silk CRM	Stalk Strength	Mid-Season Brittle Stalk	Root Strength	Goss's Wilt	Grain Drydown	Test Weight	Plant Height	Ear Height	Staygreen	Drought Tolerance	Stress Emergence	Ear Flex	Husk Cover
39F44	RR2	2000	73	70	4	6	4	3	6	7	3	4	3	5	7	2	3
P6909R	RR2	1950	69	70	7	6	6	4	5	9	3	4	3	6	4	3	3
P6910AM™	AcreMax LL RR2	1950	69	69	5	7	5	3	3	7	4	4	5	6	4	3	4
NEW **P69155PCE™***	PowerCore Enlist LL RR2	1950	69		5	6	6	4	3	7	5	4	5	6	4	2	6
NEW **P71231PCE™***	PowerCore Enlist LL RR2	2000	71		6	5	7	6	3	6	4	4	5	7	5	3	6
P7202AM™	AcreMax LL RR2	2050	72	69	5	7	6	3	8	8	3	4		6	4	2	5
P72068AM™	AcreMax LL RR2	2050	72	73	5	5	6	6	6	6	5	5	5	7	4	5	5
P7211AM™	AcreMax LL RR2	2050	72	70	6	5	5	3	6	7	3	4	3	7	4	2	4
P7389AM™	AcreMax LL RR2	2075	73	73	6	5	6	6	3	6	5	5	6	7	4	4	6
P7455R	RR2	2100	74	74	8	7	8	5	5	7	3	4	4	6	5	5	4
P74691PCE™	PowerCore Enlist LL RR2	2125	74	74	4	6	6	6	3	6	4	5	5	6	5	3	6
P7527AMXT™	AcreMax XTreme LL RR2	2150	75	78	5	6	5	5	7	5	3	4	3	7	5	5	4
NEW **P75303PCE™***	PowerCore Enlist LL RR2	2150	75		6	6	5	6	3	5	4	5	5	5	5	3	6
P7574AM™	AcreMax LL RR2	2150	75	77	6	5	4	4	5	6	6	6	6	6	5	3	5
NEW **P78150PCE™***	PowerCore Enlist LL RR2	2250	78		5	6	5	5	6	4	5	5	6	6	5	3	6
P7822AM™	AcreMax LL RR2	2250	78	78	6	6	4	5	5	7	5	5	5	6	6	4	5
P7844AM™	AcreMax LL RR2	2225	78	78	6	5	6	4	7	5	5	6	6	6	4	4	6
P7958AM™	AcreMax LL RR2	2275	79	84	6	4	7	5	4	6	5	5	6	6	5	4	3
NEW **P80463PCE™***	PowerCore Enlist LL RR2	2300	80		5	5	5	5	4	6	4	4	6	6	7	3	4
NEW **P82288***		2400	82		5	5	6	5	5	5	6	6	5	6	5	5	5
P82288PCE™	PowerCore Enlist LL RR2	2400	82	82	5	5	6	5	5	5	6	6	5	6	5	5	5
P8294AM™	AcreMax LL RR2	2400	82	85	5	6	4	5	5	5	7	7	6	6	5	4	4
P8294Q™	QROME LL RR2	2400	82	85	5	6	4	5	5	5	7	7	6	6	5	4	4
P8407AM™	AcreMax LL RR2	2450	84	85	7	4	5	5	4	5	5	5	5	7	4	6	6
NEW **P85199PCE™***	PowerCore Enlist LL RR2	2500	85		5	6	5	6	5	5	5	5	5	7	5	3	7
P8588AM™	AcreMax LL RR2	2550	85	83	5	6	5	6	3	6	4	6	6	7	4	7	5
P8602AM™	AcreMax LL RR2	2600	86	84	5	7	6	5	4	5	6	6	5	7	5	6	6
P87040		2575	87	89	5	6	6	5	6	6	6	6	5	6	5	6	5
P87040PCE™	PowerCore Enlist LL RR2	2575	87	89	5	6	6	5	6	6	6	6	5	6	5	6	5
P87040V™	Vorceed Enlist LL RR2	2575	87	89	5	6	6	5	6	6	6	6	5	6	5	6	5
NEW **P88044PCE™***	PowerCore Enlist LL RR2	2600	88		4	6	6	5	4	6	5	5	4	6	6	4	5
P8859AM™	AcreMax LL RR2	2600	88	84	6	6	6	5	7	5	5	7	5	7	6	4	6
P8859Q™	QROME LL RR2	2600	88	84	6	6	6	5	7	5	5	7	5	7	6	4	6
P90630AM™	AcreMax LL RR2	2650	90	95	5	5	5	6	7	6	5	7	4	7	5	4	5
P90630Q™	QROME LL RR2	2650	90	95	5	5	5	6	7	6	5	7	4	7	5	4	5
P91083PCE™	PowerCore Enlist LL RR2	2650	91	94	7	5	5	6	4	5	5	6	5	6	5	6	6
P91083V™	Vorceed Enlist LL RR2	2650	91	94	7	5	5	6	4	5	5	6	5	6	5	6	6
P9188AM™	AcreMax LL RR2	2650	91	89	6	5	8	5	4	6	4	4	4	7	4	5	6
P9233Q™	QROME LL RR2	2650	92	89	5	3	6	6	5	6	6	7	6	6	4	6	5
P92399PCE™	PowerCore Enlist LL RR2	2725	92	92	5	6	6	5	5	4	6	6	5	9	6	6	5
NEW **P92399V™***	Vorceed Enlist LL RR2	2725	92		5	6	6	5	5	4	6	6	5	9	6	6	5
P9492AM™	AcreMax LL RR2		94	97	7	7	7	6	6	5	6	5	7	7	7	5	5

NEW = New Product

* = Introductory product. Quantities may be limited.

RATINGS: 9 = Excellent | **1** = Poor | Blank = Insufficient Data

All scores of integrated refuge products are based upon the major component. All Pioneer products are hybrids unless designated with AM, AML, AMT, AMX, AMXT, Q, V, PCU, PCUE, PWE & PWUE, in which case they are brands.

For complete definitions and disclaimers related to product descriptions, characteristic ratings and disease ratings, and all other information contained herein, see page 31.

GRAIN CORN

Featured Grain Corn Hybrids

NEW

P71231PCE™
2000 CHU, 71 CRM

POWERCORE Enlist · LIBERTY LINK · Roundup Ready CORN 2

HIGH YIELDING POWERCORE® ENLIST™ HYBRID WITH EXCELLENT YIELD FOR A 71 CRM.

- Stable tolerance to root lodging, brittle snap and stalk lodging adding to overall level of consistency
- Excellent yield potential vs. Pioneer® brand P7211AM™
- Square flowering for maturity with very good test weight
- Overall stable agronomics

Pioneer® brand P71231PCE™	**161.9 bu/ac**	**3.8 bu/ac increase 1.4% moisture advantage**
Pioneer® brand P7211AM™	158.1 bu/ac	
43 locations		
Pioneer® brand P71231PCE™	**162.4 bu/ac**	**11.3 bu/ac increase 0.5% moisture advantage**
DEKALB® DKC20-23RIB	151.1 bu/ac	
42 locations		

P72068AM™
2050 CHU, 72 CRM

AcreMax · LIBERTY LINK · Roundup Ready CORN 2

LEADING 72 CRM GRAIN PERFORMANCE WITH CONSISTENT STANDABILITY.

- Consistent yield & agronomic performance
- Strong root lodging tolerance
- Above average Goss's Wilt tolerance

Pioneer® brand P72068AM™	**154.1 bu/ac**	**1.6 bu/ac increase -0.1% moisture advantage**
Pioneer® brand P7211AM™	152.5 bu/ac	
49 locations		
Pioneer® brand P72068AM™	**156.2 bu/ac**	**-0.7 bu/ac increase 1.8% moisture advantage**
DEKALB® DKC21-36RIB	156.8 bu/ac	
19 locations		

P7211AM™
2050 CHU, 72 CRM

AcreMax · LIBERTY LINK · Roundup Ready CORN 2

#1 PLANTED CORN HYBRID IN WESTERN CANADA.

- Trusted on the largest number of acres in Western Canada
- Consistent performance over multiple years and conditions
- Lower root strength vs. Pioneer® brand P72068AM™

Pioneer® brand P7211AM™	**152.5 bu/ac**	**-1.6 bu/ac increase 0.1% moisture advantage**
Pioneer® brand P72068AM™	154.1 bu/ac	
49 locations		
Pioneer® brand P7211AM™	**147.7 bu/ac**	**-1.7 bu/ac increase 1.8% moisture advantage**
DEKALB® DKC21-36RIB	149.4 bu/ac	
13 locations		

NEW

P75303PCE™
2150 CHU, 75 CRM

POWERCORE Enlist · LIBERTY LINK · Roundup Ready CORN 2

HIGH YIELDING POWERCORE® ENLIST™ CORN HYBRID WITH RELIABLE GOSS'S WILT PROTECTION.

- Consistent hybrid platform for 75 CRM
- Strong Goss's Wilt tolerance
- Early flowering for maturity
  - Similar to Pioneer® brand P7389AM™ in 2024
- Short stature – shorter than Pioneer® brand P74691PCE™ in 2024

Pioneer® brand P75303PCE™	**173.8 bu/ac**	**16.6 bu/ac increase -0.7% moisture advantage**
Pioneer® brand P7455R	157.4 bu/ac	
37 locations		
Pioneer® brand P75303PCE™	**173.4 bu/ac**	**4.6 bu/ac increase 1.1% moisture advantage**
DEKALB® DKC24-06RIB	168.5 bu/ac	
38 locations		

Source: 2023-2024 (2 year) yield data summarized from large scale and IMPACT™ trials across Western Canada as of October 31, 2024.

NEW

P78150PCE™
2250 CHU, 78 CRM

POWERCORE Enlist · LIBERTY LINK · Roundup Ready CORN 2

EARLY FLOWERING 78 CRM POWERCORE® ENLIST™ CORN HYBRID WITH A SOLID YIELD FOR MATURITY.

- Early flowering (74 CRM) for harvest maturity
- Average height, similar to Pioneer® brand P7844AM™ with lower ear insertion
- Lower test weight than Pioneer® brand P7822AM™

Pioneer® brand P78150PCE™	**174.5 bu/ac**	**6.5 bu/ac increase 0.1% moisture advantage**
Pioneer® brand P7822AM™	168.0 bu/ac	
18 locations		
Pioneer® brand P78150PCE™	**174.5 bu/ac**	**8.6 bu/ac increase 0.7% moisture advantage**
DEKALB® DKC29-89RIB	165.9 bu/ac	
18 locations		

P7822AM™
2250 CHU, 78 CRM

AcreMax · LIBERTY LINK · Roundup Ready CORN 2

EXCELLENT GRAIN YIELD PERFORMANCE WITH CONSISTENT MATURITY.

- Excellent grain yield for maturity
- Strong test weight and earlier silk timing allow consistent grain performance
- Higher ear insertion for plant height
- Slightly below average root lodging tolerance

P7822AM™	**167.4 bu/ac**	**2.9 bu/ac increase, -0.4% moisture advantage**
Pioneer® brand P7844AM™	164.4 bu/ac	
14 locations		
P7822AM™	**161.2 bu/ac**	**4.7 bu/ac Increase, 0.3% moisture advantage**
DEKALB® DKC25-15RIB	156.6 bu/ac	
14 locations		

P82288PCE™
2400 CHU, 83 CRM

POWERCORE Enlist · LIBERTY LINK · Roundup Ready CORN 2

TOP YIELDING POWERCORE® ENLIST™ PRODUCT FOR GRAIN AND SILAGE ACRES.

- Excellent grain & silage yield potential
- Above average plant height and ear insertion
- Reliable Goss's Wilt tolerance
- Strong root lodging tolerance vs. Pioneer® brand P8294AM™

P82288PCE™	**186.4 bu/ac**	**9.9 bu/ac Increase, -2.2% moisture advantage**
Pioneer® brand P7822AM™	176.5 bu/ac	
14 locations		
P82288PCE™	**169.0 bu/ac**	**6.9 bu/ac Increase, 3% moisture advantage**
DEKALB® DKC 33-37RIB	162.1 bu/ac	
14 locations		

NEW

P80463PCE™
2300 CHU, 80 CRM

POWERCORE Enlist · LIBERTY LINK · Roundup Ready CORN 2

HIGH YIELDING, SHORT STATURED 80 CRM CORN HYBRID WITH COMPETITIVE STALKS AND ROOTS.

- Improvement in brittle snap & stalk lodging tolerance vs. Pioneer® brand P82288PCE™
- Improvement in root lodging (early & late) vs. Pioneer® brand P7822AM™
- Excellent stress emergence
- Very early flowering (74 CRM) for harvest maturity
- Short plant with low ear insertion vs. Pioneer® brand P82288PCE™

Pioneer® brand P80463PCE™	**175.3 bu/ac**	**7.3 bu/ac increase -1.1% moisture advantage**
Pioneer® brand P7822AM™	168.0 bu/ac	
18 locations		
Pioneer® brand P80463PCE™	**175.3 bu/ac**	**9.4 bu/ac increase -0.4% moisture advantage**
DEKALB® DKC29-89RIB	165.9 bu/ac	
18 locations		

Source: 2023-2024 (2 year) yield data summarized from large scale and IMPACT™ trials across Western Canada as of October 31, 2024.

SILAGE CORN

Pioneer® brand Silage Corn Hybrids

Brand***	Technology Segment	Silage CRM	Silk CRM	Silage Yield	Starch and Sugar, %	Fiber Digestibility	Silage Crude Protein	Milk Per Acre	Milk Per Ton	Beef Per Acre	Beef Per Ton	Plant Height	Ear Height	Staygreen
NEW P71231PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	68		6	9	6	7	7	8	7	8	4	4	5
39F44	Roundup Ready Corn 2		70	5	8	9	8	7	8	5	8	3	4	3
P6909R	Roundup Ready Corn 2	69	70	6	9	5	6	7	7	7	7	3	4	3
TONNEDGE *NEW* P69155PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	69		8	8	7	7	7	8	7	8	5	4	5
P6910AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	70	69	6	8	7	8	6	8	6	8	4	4	5
P7202AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	71	69	5	9	9	8	7	8	7	8	3	4	
P7211AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	71	70	8	9	9	7	9	9	9	9	3	4	3
P74691PCE™	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	71	74	6	8	6	8	7	8	7	8	4	5	5
P72068AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	73	73	8	7	6	7	7	6	7	6	5	5	5
P7389AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	74	73	8	8	6	8	7	7	7	7	5	5	6
TONNEDGE P7822AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	74	78	8	7	6	7	8	6	8	6	5	5	5
P7527AMXT™	AcreMax Xtreme / Liberty Link / Roundup Ready Corn 2	75	78	9	8	9	8	9	9	9	9	3	4	3
NEW P75303PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	75		7	8	6	6	7	8	7	8	4	5	5
P7958AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	75	84	7	5	7	7	7	6	7	6	5	5	6
NEW P80463PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	75		6	9	7	7	7	8	7	7	4	4	6
NEW P78150PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	77		8	8	7	8	7	7	7	7	5	5	6
TONNEDGE P7574AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	79	77	9	7	6	8	9	6	9	6	6	6	6
P7844AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	80	78	7	8	7	8	6	7	6	7	5	6	6
NEW P85199PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	80		7	8	6	6	7	7	7	7	5	5	5
P8602AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	81	84	7	8	7	6	6	7	6	7	6	6	5
P8859AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	82	84	7	8	7	7	7	7	7	7	5	7	5
P8859Q™	QROME / Liberty Link / Roundup Ready Corn 2	82	84	7	8	7	7	7	7	7	7	5	7	5
NEW P82288*		83		8	7	7	6	8	8	8	8	6	6	5
P82288PCE™	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	83	82	8	7	7	6	8	8	8	8	6	6	5
TONNEDGE P8294AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	83	85	8	7	5	7	8	6	8	6	7	7	6
TONNEDGE P8294Q™	QROME / Liberty Link / Roundup Ready Corn 2	83	85	8	7	5	7	8	6	8	6	7	7	6
P8588AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	83	83	7	8	7	9	7	6	7	6	4	6	6
P9188AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	85	89	6	8	7	6	7	7	7	7	4	4	4
P8407AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	86	85	8	8	8	8	8	8	8	8	5	5	5
NEW P88044PCE™*	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	87		7	8	7	6	8	8	8	8	5	5	4
P87040		88	89	8	7	7	7	8	8	8	8	6	6	5
TONNEDGE P87040PCE™	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	88	89	8	7	7	7	8	8	8	8	6	6	5
TONNEDGE P87040V™	VORCEED Enlist / Liberty Link / Roundup Ready Corn 2	88	89	8	7	7	7	8	8	8	8	6	6	5
P90630AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	89	95	9	8	7	6	8	7	8	7	5	7	4
P90630Q™	QROME / Liberty Link / Roundup Ready Corn 2	89	95	9	8	7	6	8	7	8	7	5	7	4
P9233Q™	QROME / Liberty Link / Roundup Ready Corn 2	90	89	8	8	7	6	8	8	8	8	6	7	6
TONNEDGE P91083PCE™	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	93	94	8	7	7	6	7	7	7	7	5	6	5
TONNEDGE P91083V™	VORCEED Enlist / Liberty Link / Roundup Ready Corn 2	93	94	8	7	7	6	7	7	7	7	5	6	5
P92399PCE™	PowerCore Enlist / Liberty Link / Roundup Ready Corn 2	93	92	8	8	7	6	8	7	8	7	6	6	5
NEW P92399V™*	VORCEED Enlist / Liberty Link / Roundup Ready Corn 2	93		8	8	7	6	8	7	8	7	6	6	5
P9492AM™	AcreMax / Liberty Link / Roundup Ready Corn 2	94	97	8	8	7	6	8	7	8	7	6	5	7

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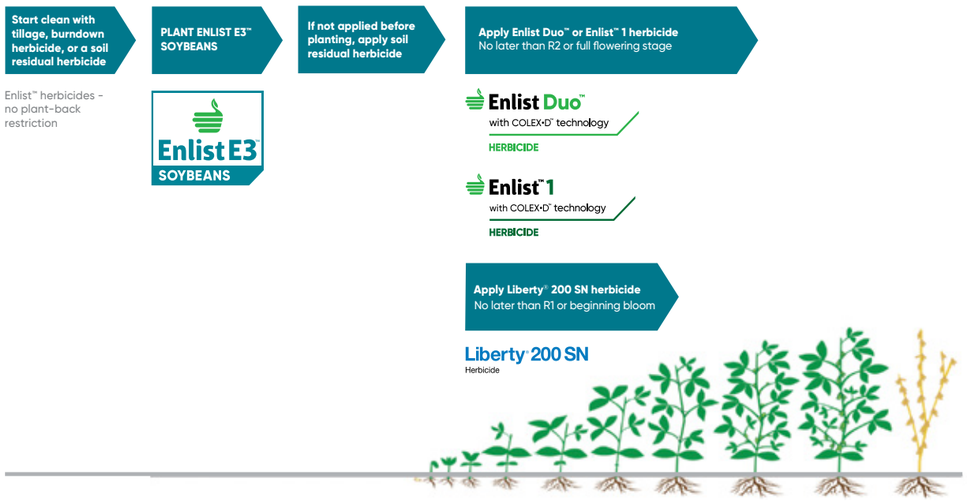
RATINGS: 9 = Excellent | **1** = Poor | Blank = Insufficient Data
All scores of integrated refuge products are based upon the major component. All Pioneer products are hybrids unless designated with AM, AML, AMT, AMX, AMXT, Q, V, PCU, PCUE, PWE & PWUE, in which case they are brands.
For complete definitions and disclaimers related to product descriptions, characteristic ratings and disease ratings, and all other information contained herein, see page 32.

THE PROGRAM APPROACH

is a **two-pass system** that uses multiple modes of action to effectively manage hard-to-control and resistant weed biotypes in **Enlist E3™ soybeans**.

BENEFITS INCLUDE:

- **Reduced early season competition** from annual grass and broadleaf weeds
- Multi-modes of action for **resistance management**
- Timely post-emergent applications for **optimum weed control** and **reduced weed competition**



Pioneer® brand Soybean Varieties

Brand***	Relative Maturity	Technology Segment	Canadian Heat Units	Phytophthora Gene	Phytophthora Field Tolerance	Iron Chlorosis	White Mold	SCN Source	Harvest Standability	Field Emergence	Canopy Width	Plant Height for Maturity	Flower Color	Pubescence Color	Hila Color	Pod Color
P0009A28E™	000.9	Enlist E3	2250	1k	4**	7	5**	-	8**	8**	5	4	P	G	Y	BR
P002A42E™	00.2	Enlist E3	2325	1c	4**	6	5**	-	8	8**	5	4	P	G	Y	TN
Z SERIES SOYBEANS **P003Z08E™**	00.3	Enlist E3	2350	1c	5**	5	5**	-	8**	7	4	6	P	G	BF	BR
Z SERIES SOYBEANS **P004Z87E™**	00.4	Enlist E3	2375	1c	5**	5	4**	-	6**	7	5	4	P	G	Y	TN
P007A68E™	00.7	Enlist E3	2450	1c	5**	6	6	-	8	7**	4	5	P	G	BF	BR
Z SERIES SOYBEANS *NEW* **P007Z82E™***	00.7	Enlist E3	2450	1c	7**	7	5**	PI88788	7**	8	6**	4	P	G	IB	TN
Z SERIES SOYBEANS **P008Z25E™**	00.8	Enlist E3	2475	1c	5**	6	3	-	6**	7	5	6	P	G	Y	TN
Z SERIES SOYBEANS **P009Z94E™**	00.9	Enlist E3	2500	1k,6		7	3	PI88788	6**	8	5	6	P	G	BF	TN

NEW = New Product
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**Ratings denoted with a double asterisk (**) reflect preliminary data subject to change when additional data becomes available.
***All Pioneer products denoted with ™ are brand names.
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Featured Soybean Varieties

P003Z08E™
2350 HU (RM -7)

Enlist E3 SOYBEANS · Z SERIES SOYBEANS

EARLIEST MATURING Z-SERIES ENLIST E3™ SOYBEAN VARIETY.

- Good IDC Tolerance; Similar performance to Pioneer® brand P004Z87E™
- Above average Phytopthora field tolerance, Rps 1C major gene resistance
- Taller plant at maturity compared to Pioneer® brand P004Z87E™
  - Better height maintenance on challenging soil types

Pioneer® brand P003Z08E™	**106%**
Pioneer® brand P002A42E™	101%
38 locations	
Pioneer® brand P003Z08E™	**102%**
Thunder Seeds TH87003R2X	100%
17 locations	

P004Z87E™
2375 HU (RM -6)

Enlist E3 SOYBEANS · Z SERIES SOYBEANS

LEADING 00 – EARLY YIELD PERFORMANCE.

- Good IDC Tolerance; Similar performance to Pioneer® brand P003Z08E™
- Above average Phytopthora Field Tolerance; Rps 1C major gene resistance; Comparable resistance to Pioneer® brand P007A68E™
- Favourable white mould resistance
- 00-LATE yield performance at an earlier maturity
- Compact plant at maturity compared to Pioneer® brand P003Z08E™

Pioneer® brand P004Z87E™	**102%**
Pioneer® brand P007A68E™	100%
23 locations	
Pioneer® brand P004Z87E™	**103%**
DEKALB® DKB002-32	100%
6 locations	

NEW

P007Z82E™
2450 HU (RM -3)

Enlist E3 SOYBEANS · Z SERIES SOYBEANS

EXCITING NEW YIELD STANDARD FOR Z-SERIES ENLIST E3™ SOYBEANS IN WESTERN CANADA.

- Dependable IDC Tolerance; Higher tolerance vs. Pioneer® brand P008Z25E™ & P007A68E™
- Strong Phytopthora Field Tolerance; Rps 1C major gene resistance
- Above average white mould tolerance
  - Improved vs. Pioneer® brand P008Z25E™ & P009Z94E™
- PI88788 SCN Resistance
- Shorter plant height compared to Pioneer® brand P008Z25E™ & P009Z94E™

Pioneer® brand P007Z82E™	**120%**
Pioneer® brand P007A68E™	100%
13 locations	
Pioneer® brand P007Z82E™	**108%**
Pioneer® brand P008Z25E™	100%
13 locations	

P008Z25E™
2475 HU (RM -2)

Enlist E3 SOYBEANS · Z SERIES SOYBEANS

TOP PIONEER® SOYBEAN YIELD PERFORMANCE IN 2024.

- Reliable IDC Tolerance
  - Similar performance to Pioneer® brand P007A68E™
- Good Phytopthora Field Tolerance; Rps 1C major gene resistance; Comparable resistance to Pioneer® brand P007A68E™
- White mould – 3; Slightly below average tolerance
- Aggressive plant growth suitable for all row spacings
- Positioned to take advantage of high yield environments

Pioneer® brand P008Z25E™	**106%**
Pioneer® brand P007A68E™	100%
39 locations	
Pioneer® brand P008Z25E™	**107%**
Syngenta S007-A2XS	100%
10 locations	

Source: 2023-2024 (2 year) yield data summarized from large scale and IMPACT™ trials across Western Canada as of October 31, 2024.

Pioneer® brand Sunflower Hybrids

Brand	Herbicide System	Relative Maturity	Yield	Emergence	Drydown	Percent Oil	Mid-Oleic Score	High-Oleic Score	Self Fertility	Plant Height	Stem Curvature	Neck Strength	Stalk Strength	Root Strength	Root Sclerotinia	Head Sclerotinia	Phomopsis	Midge Score	Downy Mildew Code	Test Weight	Hull Score	PCT013
Mid-Oleic (NuSun® Oil)																						
P63ME80	ExpressSun	38	7	6	6	7	8		8	8	7	6	7	7	5	6	6	6	DM2,3	7	4	5
High-Oleic																						
P63HE501	ExpressSun	35	8	6	7	6		7	7	6	7	6	7	7	5	6	7		DM1,2,3	8		
P63HE60	ExpressSun	37	7	6	6	7		8	8	6	7	6	7	7	5	6	6	6	DM2,3	8	4	5
P63HE920	ExpressSun	39	8	6	6	8		8	7	7	7		7	6	7	7	7		DM1,3	8		

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	INOCULANTS			RAPID REACT® TECHNOLOGY			NUTRIVAIL® FEED TECHNOLOGY		
	1189	**11H50**	**1174**	**11C33**	**11B91**	**11G22**	**11CFT****	**11GFT****	**11AFT****
Crop-specific options using patented, proprietary bacterial strains	HMC Inoculants	Alfalfa Inoculants	Multi-Crop Inoculants	Corn Silage Rapid React Contains fast-acting* *L. buchneri*†	HMC Rapid React Contains fast-acting* *L. buchneri*†	Alfalfa/ Grass/ Cereal Rapid React Contains fast-acting* *L. buchneri*†	Corn Silage Nutrivail Contains *L. buchneri*†	Grass/ Cereals Nutrivail Contains *L. buchneri*†	Alfalfa Nutrivail Contains *L. buchneri*†
Improves fermentation and reduces dry matter loss	X	X	X	X	X	X	X	X	X
Improves nutrient conservation	X	X	X	X	X	X	X	X	X
Significantly reduces heating on bunker/ pile face				X	X	X	X	X	X
Helps reduce heating in entire TMR				X	X	X	X	X	X
Improves fibre digestibility							X	X	X

PIONEER® SILA-BAC® BRAND INOCULANTS

Maximize your forage performance with Pioneer® brand crop-specific inoculants, including proprietary bacterial strains that deliver rapid fermentation, reduce dry matter losses and improve stability in the storage structure and feed bunk.

GLOBAL NUTRITIONAL SCIENCES TEAM

Consisting of nutrition science specialists, dairy experts, livestock strategists and agronomists, Pioneer's Global Nutritional Sciences Team helps producers make the best decisions for their operations, from seed to feed.

* Rapid React® aerobic stability† technology

** Patented, proprietary and unique L. buchneri strain found only in Nutrival® feed technology products proven to improve rate of fibre digestibility

† Improved aerobic stability and reduced heating is relative to untreated silage. Actual results may vary. The effect of any silange inoculant is dependent upon management at harvest, storage and feedout. Factors such as moisture, maturity, chop leanth and compaction will determine inoculant efficacy.
For complete definitions and disclaimers related to product descriptions, and all other information contained herein, see page 33.

FOOTNOTES

CANOLA FOOTNOTES

*Introductory product. Quantities may be limited.

Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on period-of-years testing through 2024 harvest and were the latest available at time of printing. Some scores may change after 2025 harvest. Contact your Pioneer sales professional before planting for the latest trait rating information.

IMPORTANT: Information and ratings are based on comparisons with other Pioneer® brand products, not competitive products. Information and ratings are assigned by Pioneer Agronomists and Research Managers, based on average performance across area of adaptation under normal conditions, over a wide range of both climate and soil types, and may not predict future results. Product responses are variable and subject to any number of environmental, disease and pest pressures. Please use this information as only part of your product positioning decision. Refer to www.pioneer.com/Canada or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data.

MATURITY: 9 = Late; **6** = Medium; **5** = Medium-Early; **3** = Early; **1** = Very Early.

HERBICIDE TOLERANT TRAIT: Hybrids and varieties with the **Optimum® GLY** trait are tolerant to labeled rates of glyphosate herbicides. This technology allows for post-emergent applications of these herbicides without crop injury or stress (see herbicide label). Labeled herbicides should only be used over the top of those hybrids and varieties that contain the Optimum® GLY trait.

Hybrids and varieties with the **CLEARFIELD® trait (CL)** are tolerant to labeled rates of Amity™ WDG and Ares™ SN herbicides. This technology allows for post-emergent applications of these herbicides without crop injury or stress (see herbicide label). Labeled herbicides should only be used over the top of those hybrids and varieties that contain the CLEARFIELD trait. The unique Clearfield symbol and Clearfield® are registered trademarks of BASF.

Hybrids and varieties with the **LibertyLink® gene (LL)** are resistant to Liberty® herbicide. Liberty®, LibertyLink® and the Water Droplet Design are registered trademarks of BASF.

Hybrids and varieties with the **Roundup Ready® gene (RR)** are tolerant to labeled rates of Roundup® branded herbicides. This technology allows for post-emergent applications of Roundup without crop injury or stress (see herbicide label). Labeled Roundup herbicide should only be used over the top of those hybrids and varieties that carry the Roundup Ready designation. Roundup Ready® and Roundup® are registered trademarks of Bayer Group.

Pod Shatter Premium (PSP) Technology: Offers a new level of pod shatter performance for Pioneer® brand canola hybrids allowing them to be straight cut with confidence.

CLUBROOT RESISTANCE: Shows different sources of Clubroot resistance. CR1 is different from CR2; CR2 is different from CR3, etc.

CLUBROOT: R =Resistant, **S** = Susceptible.

BLACKLEG: R = Resistant; **MR** = Moderately Resistant; **MS** = Moderately Susceptible; **S** = Susceptible.

BLACKLEG: 9 = Resistant; **1** = Susceptible.

SCLEROTINIA: 9 = Highly Tolerant; **5** = Moderately Tolerant; **1** = Susceptible.

FUSARIUM WILT: R = Resistant; **S** = Susceptible. The current Fusarium rating is provisional and based on limited data.

VERTICILLIUM STRIPE: 9 = Resistant, **1** = Susceptible.

EARLY GROWTH: 9 = Excellent, **1** = Poor. Early growth is recorded when plants are at 4-6 leaf stage. It is a subjective evaluation of the healthiness of plants and the soil area covered by their leaves.

GREEN SEED CONTENT: 9 = Very low count (desired); **1** = Very high count.

STANDABILITY: 9 = upright (desired) while **1** = Severely lodged.

PLANT HEIGHT: 9 = Tall; **1** = Short (desired).

Pioneer® brand canola products are treated with Helix® Vibrance® seed treatment. Helix® and Vibrance® are registered trademarks of a Syngenta Group Company.

COMPLETE CLUBROOT RESISTANCE TABLE 2025

			Initial Pathotypes					New Pathotypes				2020 Pathotypes			
Canola Hybrids	Corteva CR Groups*	CR Gene(s)	2F	3H	5I	6M	8N	3A	3D	5X	2B	8E	11A	9C	9E
P515G	CR1	1	R	R	R	R	R	S	S	S	S	S	S	S	S
P505MSL, P509L	CR1	1	R	R	R	R	R	S	S	S	S	S	S	S	S
P510G CR	CR3	3	R	R	R	R	R	R	R	R	R	S	R	S	R
P511G CR	CR3	3	R	R	R	R	R	R	R	R	R	S	R	S	R
P612L CR	CR4	1,4	R	R	R	R	R	R	R	S	R	R	R	S	S
P514CL CR	CR5+	1,4+,5	R	R	R	R	R	R	R	R	R	R	R	R	R
NEW P524G CR	CR6	4,5	R	R	R	R	R	R	R	S	R	R	R	S	S
NEW P1530G CR	CR6	4,5	R	R	R	R	R	R	R	S	R	R	R	S	S
P516L CR	CR6+	4+,5	R	R	R	R	R	R	R	R	R	R	R	R	R
NEW P1540L CR	CR8	5	R	R	R	R	R	R	R	S	R	R	S	S	S
P520L CR	CR9	3,4,5	R	R	R	R	R	R	R	R	R	R	R	R	R
P617SL CR	CR9	3,4,5	R	R	R	R	R	R	R	R	R	R	R	R	R
P519L CR	CR10	1,2,4,5	R	R	R	R	R	R	R	R	R	R	R	R	R

Resistant
Susceptable

***CR groups contain different Clubroot resistant gene packages**
CR6+ Higher level of Clubroot trait expression

CORN FOOTNOTES

*Introductory product. Quantities may be limited.

**All scores of integrated refuge products are based upon the major component.

***All Pioneer corn products are hybrids. All Pioneer products denoted with ™ are brand names. If corn products are designated with AM, AML, AMT, AMX, AMXT, Q, V, PCU, PCUE, PWE & PWUE, it is a blend/mixture.

Product performance in water-limited environments is variable and depends on many factors such as the severity and timing of moisture deficiency, heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. All products may exhibit reduced yield under water and heat stress. Individual results may vary.

IMPORTANT: Trait rating scores provide key information useful in selection and management of Pioneer® brand products in your area. Information and ratings are based on comparisons with other Pioneer brand products, not competitive products. Information and scores are assigned by Pioneer Research Managers. Scores are based on period-of-years testing through 2024 harvest and were the latest available at time of printing. Some scores may change after 2025 harvest. Scores represent an average of performance data across areas of adaptation, multiple growing conditions, and a wide range of both climate and soil types and may not predict future results. All products within a hybrid family receive the same score unless observations indicate a significant difference. Individual product responses are variable and subject to a variety of environmental, disease and pest pressures. Please use this information as only one component of your product positioning decision. Refer to www.pioneer.com/Canada or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.

RATINGS: 9 = Outstanding; **1** = Poor; Blank = Insufficient Data.

WHITE AND WAXY CORN RATINGS: Based on comparisons with other Pioneer brand products, not competitive products. Trait ratings for white and waxy products reflect comparison with non-modified yellow products of a similar maturity.

HYBRID FAMILY: Hybrid family identifies products that have the same base genetics. Manage products within the same family similarly.

TECHNOLOGY SEGMENT:

AM - Optimum® AcreMax® insect protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax products.

AMT - Optimum® AcreMax® TRIsect® insect protection system with RW, YGCB, HX1, LL, RR2. Contains a single-bag refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the Bt trait, and the Herculex® I gene. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax TRIsect products.

AMX - Optimum® AcreMax® Xtra insect protection system with YGCB, HXX, LL, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Xtra products.

AMXT (Optimum® AcreMax® XTreme) - Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the Bt trait and the Herculex® XTRA gene. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax XTreme products.

Q (Qrome®) - Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the Bt trait, and the Herculex® XTRA gene. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Qrome products.

YGCB, HX1, LL,RR2 (Optimum® Intrasect®) - Contains the Bt trait and Herculex® I gene for resistance to corn borer.

AML - Optimum® AcreMax® Leptra® products with AVBL, YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Leptra products.

AVBL, YGCB, HX1, LL, RR2 (Optimum® Leptra®) - Contains the Agrisure Viptera® trait, the Bt trait, the Herculex® I gene, the LibertyLink® gene and the Roundup Ready® Corn 2 trait. V – Vorceed® Enlist® products with V, LL, RR2, ENL. Contains a single-bag integrated refuge solution with multiple modes of action for above- and below-ground insects. The major component contains the Herculex® XTRA genes, the RW3 trait and the VTP trait. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted for Vorceed Enlist products.

PCE - Powercore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products.

PCUE - Powercore® Ultra Enlist® Refuge Advanced® corn products with AVBL, HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Ultra Enlist Refuge Advanced products.

PWE - PowerCore® Enlist® corn products with HX1, VTP, ENL, LL, RR2. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Enlist products.

PWUE - PowerCore® Ultra Enlist® corn products with AVBL, HX1, VTP, ENL, LL, RR2. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Ultra Enlist products.

HX1 - Contains the Herculex® I insect protection gene which provides protection against European corn borer, southwestern corn borer, black cutworm, fall armyworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer; and suppresses corn earworm.

HXX - Herculex® XTRA contains the Herculex® I and Herculex® RW gene.

YGCB - The Bt trait offers a high level of resistance to European corn borer, southwestern corn borer and southern cornstalk borer; moderate resistance to corn earworm and common stalk borer; and above average resistance to fall armyworm.

LL - Contains the LibertyLink® gene for resistance to glufosinate herbicide.

LR - Contains the LibertyLink® gene and the Roundup Ready® Corn 2 trait.

RR2 - Contains the Roundup Ready® Corn 2 trait that provides crop safety for over-the-top applications of labeled glyphosate herbicides when applied according to label directions.

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LibertyLink® and the Water Droplet Design are registered trademarks of BASF.

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POWERCORE® is a registered trademark of Bayer Group. POWERCORE® multi-event technology developed by Corteva Agriscience and Bayer Group. Always follow IRM, grain marketing and all other stewardship practices and pesticide label directions. B.t. products may not yet be registered in all states. Check with your seed representative for the registration status in your state.

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for pre-emergence and post-emergence use with Enlist® crops. Consult Enlist® herbicide labels for weed species controlled. Enlist Duo and Enlist One herbicides are not registered for use or sale in all states and counties; are not registered in AK, CA, CT, HI, ID, MA, ME, MT, NH, NV, OR, RI, UT, VT, WA and WY; and have additional subcounty restrictions in AL, GA, TN and TX, while existing county restrictions still remain in FL. All users must check "Bulletins Live! Two" no earlier than six months before using Enlist One or Enlist Duo. To obtain "Bulletins," consult epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa.gov. You must use the "Bulletin" valid for the month and state and county in which Enlist One or Enlist Duo are being applied. Contact your state pesticide regulatory agency if you have questions about the registration status of Enlist® herbicides in your area. 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. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USE IN THE STATE OF APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CROPS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at www.traitstewardship.com.

FOOTNOTES

CRM (Comparative Relative Maturity): There is not an industry standard for maturity ratings so comparing product maturity and harvest moisture ratings between companies is usually difficult. Use the CRM rating to compare Pioneer® brand products with competitive products of a similar maturity and harvest moisture. CRM ratings, and harvest moistures, for products within a family may vary slightly, depending upon the level of insect (ECB and CRW) infestation. Conventional and straight products with the RR2 gene within a family will usually be 1-2 CRMs earlier than indicated, when insect infestations are moderate to heavy. One CRM difference is about ½ point of moisture difference at harvest.

PHYSIOLOGICAL CRM: Measures differences in maturity to zero milkline stage. To help decide if a new product fits your area's growing season, compare its physiological CRM to a product that you plant or one that is successfully used in your area.

GDUs TO PHYSIOLOGICAL MATURITY: Measures differences in growing degree units (GDUs) required to zero milk line stage. To help decide if a new product fits your area's growing season, compare its GDUs to physiological maturity to a product that you plant or one that is successfully used in your area.

MID-SEASON BRITTLE STALK: Ratings determined by frequency and severity of stalk snappage at lower to middle stalk internodes from conditions usually favored by rapid or optimum growth. Relative response of products can be affected by planting date, stage of growth, rate of growth, wind severity and other variables. Scores derived from both natural observations and artificial evaluation immediately prior to tasseling. NOTE: Scores do not reflect snappage enhanced by or due to herbicide interaction. The use of growth regulator herbicides such as 2,4-D and dicamba can increase the brittle snap potential of corn products. Products with lower brittle stalk ratings will require more caution and have a higher risk associated with the use of growth regulator herbicides. Early application, proper rates and application methods, along with both product and herbicide selection can help reduce this risk. BRITTLE STALK PRECAUTION: In areas with higher potential for brittle stalk breakage, growers must balance the risk of planting products with brittle stalk ratings of less than 4 against the overall performance of more resistant products with higher ratings. All products have a period of susceptibility to brittle stalk. Products with below average ratings may have a longer period of susceptibility or may experience more severe breakage relative to products with higher scores during the period of susceptibility.

GRAIN DRYDOWN: Compares products of similar maturity for rate of moisture loss during grain drydown. A higher score indicates faster drydown. A lower score indicates slower drydown, or a wider opportunity for silage and high-moisture corn harvest.

TEST WEIGHT: Higher score indicates heavier test weight.

PLANT HEIGHT: 9 = Very Tall; **1** = Short.

EAR HEIGHT: 9 = High; **1** = Low.

PLANT STAYGREEN: Indicator of late-season plant health. A higher score indicates ability to survive farther into the growing season. Scores are taken near grain physiological maturity (zero kernel milkline) stage.

DROUGHT TOLERANCE: Drought tolerance is a complex trait, determined by a platform's ability to maintain yield in limited-moisture environments. A higher score indicates the potential for higher yields vs. other platforms of similar maturity in limited-moisture environments.

STRESS EMERGENCE: All products are expected to establish normal stands under average soil conditions. Stress emergence is a measure of genetic ability or potential to emerge in the stressful environmental conditions of cold, wet soil or short periods of severe low temperatures, relative to other Pioneer brand products. Ratings of 7-9 indicate very good potential to establish normal stands under such conditions; a rating of 5-6 indicates average potential to establish normal stands under moderate stress conditions; and ratings of 1-4 indicate the product has below average potential to establish normal stands under stress and should not be used if severe cold conditions are expected immediately after planting. Stress emergence is not a rating for seedling disease susceptibility, early growth or speed of emergence.

EAR FLEX: Score reflects the ability of a product to flex ear size as plant density is reduced, or as growing conditions improve.

SILAGE CORN FOOTNOTES

SILAGE CRM (SILAGE COMPARATIVE RELATIVE MATURITY): With no industry standard for silage maturity, comparing maturity and harvest moisture across various companies' corn-for-silage hybrids can be difficult. Pioneer silage CRM ratings provide a relative comparison among Pioneer® brand products of rates at which products reach harvestable whole plant moistures. It is on the same scale as the CRM rating provided for grain corn products and does not represent actual days from planting or emergence to harvest moisture or half milkline.

SILAGE YIELD: Based on whole-plant yield per acre (adjusted to 35% dry matter) from multi-year comparison with other products within a maturity range not exceeding 5 silage CRM units.

STARCH AND SUGAR, %: Percent starch and soluble sugars (DM basis) in the whole-plant sample predicted by NIRS

SILAGE CRUDE PROTEIN: Based on the amount of crude protein in the whole plant, predicted by NIRS.

MILK PER ACRE: 9 = Outstanding; **1** = Poor, based on University of Wisconsin MILK2006 utilizing silage yield, nutrient content and digestibility.

MILK PER TON: 9 = Outstanding; **1** = Poor, based on University of Wisconsin MILK2006 utilizing silage nutrient content and digestibility.

SOYBEAN FOOTNOTES

*Introductory product. Quantities may be limited.

All Pioneer products denoted with ™ are brand names.

Ratings denoted with an asterisk (*) reflect preliminary data subject to change when additional data becomes available.

IMPORTANT: Product responses are variable and subject to any number of environmental, disease and pest pressures. Please use this information as only part of your product positioning decision. Individual results may vary.

Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on testing through 2024 harvest and were the latest available at time of printing. Some scores may change after 2025 harvest. Information and ratings are based on average performance across area of adaptation under normal conditions, over a wide range of both climate and soil types and may not predict future results. Refer to Pioneer.com/Canada or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.

RELATIVE MATURITY: Shows the relative maturity group rating, with the first one or two digits representing the general maturity group, and the digit following the decimal showing relative maturity within the group on a scale of 0 to 9, with 0 early and 9 late.

TECHNOLOGY SEGMENT: Always follow stewardship practices in accordance with the Product Use Guide (PUG) or other product-specific stewardship requirements including grain marketing and pesticide label directions.

Enlist Duo™ and Enlist™ 1 are the only 2,4-D products authorized for use with Enlist™ crops. Consult Enlist herbicide labels for weed species controlled. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a longstanding process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end-users must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer's acceptance of the grain or other material being purchased. For more detailed information on the status of a trait or stack, please visit www.biotradestatus.com. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship. The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies L.L.C.

PHYTOPHTHORA RESISTANCE GENE:

(–) = No specific gene for resistance.

Rps1^^ = Contains Rps1c or Rps1k Phytophthora resistance.

Rps 1a = Provides resistance to races 1, 2, 10, 11, 13-18, 24, 26, 27, 31, 32, 36, 38, 48, 50-52, 54-55.

Rps 1c = Provides resistance to races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 38, 41, 42, 44, 48, 50, 52, 54, 55.

Rps 1k = Provides resistance to races 1-11, 13-15, 17, 18, 21-24, 26, 36-38, 42-44, 46-55.

Rps 6 = Provides resistance to races 1-4, 10, 12, 14-16, 18-21, 25, 28, 33-35, 38-48, 52-54.

Rps 3a = Resistant to races 1-5, 8-9, 11, 13-14, 16, 18, 23, 25, 28-29, 31-35, 39-41, 43-45, 47-52, 54.

Rps 3c = Resistant to races 1-4, 10-16, 18-36, 38-54.

PHYTOPHTHORA FIELD TOLERANCE: Products with high tolerance scores have demonstrated an ability to thrive in the presence of Phytophthora races to which they lack specific resistance. In some products, tolerance is expressed only after the early seedling growth stage, making such products susceptible to damping off during emergence and early seed growth.

WHITE MOULD: Scores based on Pioneer research observations of comparative white mold tolerance among various soybean products across multiple locations and years. All products are capable of developing white mold symptoms under severe infestations. To our knowledge, there are no totally resistant products in the industry. However, differences exist in the ability of products to tolerate white mold (i.e., the rate at which the infection develops and the extent of damage it causes). These scores reflect those differences.

SCN RESISTANCE SOURCE: There are three sources of genetic resistance to SCN currently deployed in the marketplace: PI88788; PI548402 (also known as Peking); PI437654 (also known as Hartwig); R = Resistant to SCN but the source of that resistance is not yet identified. PI88788 provides good to excellent resistance to race 3 and average to excellent resistance to race 14. Peking provides very good to excellent resistance to races 1, 3, and 5. Peking^ provides excellent resistance to race 3 and below average to average resistance to race 5.

FIELD EMERGENCE: Rating based on speed and strength of emergence in sub-optimal temperatures. **1-3** = Below Average; **4-6** = Average; **7-9** = Excellent.

CANOPY WIDTH: 9 = Extremely bushy; **1** = Very narrow.

PLANT HEIGHT FOR MATURITY: 9 = Tall; **1** = Short.

FLOWER COLOR: P = Purple; **W** = White.

PUBESCENCE COLOR: T = Tawny; **G** = Gray; **L** = Light tawny; **M** = Mixed.

HILA COLOR: BL = Black; **BR** = Brown; **TN** = Tan; **G** = Gray; **IB** = Imperfect black; **BF** = Buff; **Y** = Yellow (Clear); **M** = Mixed.

POD COLOR: BR = Brown; **TN** = Tan.

SUNFLOWER FOOTNOTES

Trait ratings provide key information useful in selection and management of Pioneer® brand products in your area. Scores are based on period-of-years testing through 2024 harvest and were the latest available at time of printing. Some scores may change after 2025 harvest. Contact your Pioneer sales professional before planting for the latest trait rating information.

IMPORTANT: Information and ratings are based on comparisons with other Pioneer® brand products, not competitive products. Information and ratings are assigned by Pioneer Agronomists and Research Managers, based on average performance across area of adaptation under normal conditions, over a wide range of both climate and soil types, and may not predict future results. Product responses are variable and subject to any number of environmental, disease and pest pressures. Please use this information as only part of your product positioning decision. Refer to www.pioneer.com or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product and for product placement and management suggestions specific to your operation and local conditions.

RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data.

DISEASE PRECAUTION: Grower should balance hybrid yield potential, hybrid maturity and cultural practice against anticipated risk of a specific disease and need for resistance. In high disease risk conditions, consider planting hybrids with at least a rating of 6 or higher to help reduce risk. When hybrids with disease ratings of 1 to 5 are planted in conditions of high disease pressure, the grower assumes a higher level of risk. If conditions are severe, even hybrids rated as resistant can be adversely affected. Independent of yield reduction, diseases can predispose plants to secondary diseases such as stalk rots. This requires individual field and hybrid monitoring for stalk stability and timely harvest when warranted.

DISEASE RATINGS: 9-8 = Highly Resistant; 7-6 = Resistant; 5-4 = Moderately Resistant; 3-1 = Susceptible; Blank = Insufficient Data.

HERBICIDE SYSTEM: Pioneer® brand sunflower hybrids with the ExpressSun® trait for resistance to tribenuron-methyl herbicides labeled for use with the ExpressSun trait. This unique sunflower system is designed to maximize weed control in sunflower crops, enhancing ease of production and yield. This system provides improved weed control over conventional hybrids with traditional herbicides.

RM (RELATIVE MATURITY): With no industry standard for maturity ratings, comparing hybrid maturity and harvest moisture ratings between companies is usually difficult. Use the RM rating to compare Pioneer® brand hybrids of a similar maturity and harvest moisture.

EMERGENCE: Ratings taken when first true leaf is visible.

MID-OLEIC SCORE: 9 = Consistently meets oleic level specifications for NuSun® oil.

HIGH-OLEIC SCORE: 9 = Consistently meets high-oleic specifications for high-oleic oil profile of 85%.

PLANT HEIGHT: Short stature is desirable. **9** = Short; **1** = Tall.

STEM CURVATURE: 9 = Erect; **8** = Semi-Erect (preferred); **7** = Semi-Pendulous (preferred); **6** = Pendulous; **5** = Fully Pendulous.

MIDGE SCORE: To our knowledge, there are no fully resistant hybrids in this industry. However, differences exist in the ability to tolerate insect pressure. These scores reflect those differences. Heavy midge pressure can cause extensive damage to any hybrid.

DOWNY MILDEW QUALITATIVE GENETIC RESISTANCE CODE: Indicates downy mildew resistance via Corteva code for downy mildew. Contact your sales professional for specific DM genes and DNY races.

INOCULANT FOOTNOTES

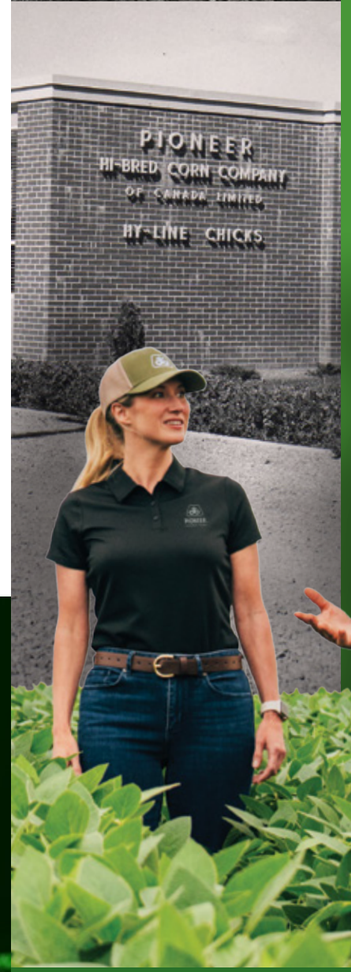
IMPORTANT: Information and ratings are based on relative comparisons with other Sila-Bac® brand inoculants within each specific crop, not competitive products. Information and ratings are assigned by Pioneer Forage Additive Research, based on average performance across area of use under normal conditions, over a wide range of both environment and management conditions, and may not predict future results. Product responses are variable and subject to any number of environmental and management conditions. Please use this information as only part of your product positioning decision. Refer to pioneer.com/Canada or contact a Pioneer sales representative for the latest and most complete listing of traits and scores for each Sila-Bac® brand product and for product placement and management suggestions specific to your operation and local conditions.

FERMENTATION: Rate and extent of pH decline and the composition of fermentation acids occurring in silage.

NUTRIENT CONSERVATION: Retaining more sugar/starch and reducing protein degradation by rapidly reducing silage pH.

FIBRE DIGESTIBILITY: The digestibility of neutral detergent fibre (NDF) by the ruminant animal expressed as a percentage of the total NDF.

NOTES



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