PIONEER®

2025 BRAND PRODUCTS

What's next happens here.

What's next has arrived.

The innovation engine at Pioneer is always on. Always running toward tomorrow. Always pushing to uncover what's next and drive real yield increases on your acres. And our pipeline of innovation is only accelerating. We continue to invest in the minds, technologies, and partnerships necessary to bring higher yielding products to your fields.

What's next is right here. You'll find the best genetics for your acres with the traits you need to drive consistently high yield potential. And when you combine all of that with the local expertise of our agronomy and sales teams, it's easy to see why more and more farmers prefer to plant Pioneer.

Learn more about our innovation pipeline at pioneer.com/righthere

WHAT'S NEXT HAPPENS HERE

The Pioneer® corn portfolio today is comprised of elite genetics, advanced biotech trait options and best-in-class seed treatments. Future product innovations will build on our solid foundation of delivering a premium product performance through exclusive, tailored genetics and trait packages.

CORN INNOVATION: TODAY AND TOMORROW

2021 — 2035+

QROME

Qrome® & AcreMax®

VORCEED Enlist

Vorceed® Enlist® corn

POWERCORE Enlist

PowerCore® Enlist® / PowerCore® RA Enlist® corn

Reduced Stature Corn

3rd Gen Above/Below Ground + Y&YS

3rd Gen Above Ground + Y&YS

Multi-Disease Resistance

ELITE CORN GENETICS + BEST TECHNOLOGY OPTIONS = **SUPERIOR PERFORMANCE**

Backed by an industry-leading R&D engine, the near-term pipeline will bring new technology and flexibility to farmers, with multiple long-term innovative options to follow.

RECENT PIPELINE INTRODUCTIONS

VORCEED Enlist

ENABLES MULTI-YEAR FLEXIBILITY TO MANAGE CORN ROOTWORM (CRW) ACRES THROUGH MORE OPTIONS THAN ANY OTHER CRW PRODUCT WITH 6 MODES OF ACTION TO CONTROL INSECTS AND 4 MODES OF ACTIONS FOR WEEDS.

- 6 insect protection modes of action + 4 herbicide tolerance modes of action + enhanced yield potential and agronomics through broad germplasm compatibility
- Includes a new CRW protection mode of action in RNAi, combined with Cry3Bb1 and the proven Bt proteins in DP4114.
- With the inclusion of the Enlist® corn trait, Vorceed™ Enlist® corn has tolerance to multiple herbicides, including 2,4-D choline, glyphosate, glufosinate, and FOP to allow maximum flexibility in weed management.

POWERCORE Enlist

A COMPREHENSIVE TRAIT PACKAGE FOR ABOVE-GROUND PEST ACRES AND WEED MANAGEMENT OPTIONS ALLOWS FOR PEACE OF MIND CORN IS PROTECTED.

- PowerCore® Enlist® corn features three modes of action for protection against broad-spectrum above-ground pests, including susceptible European corn borer, fall armyworm and Southwestern corn borer.
- Insect protection products available in a diverse lineup of high yield potential genetics across a wide range of maturities in both integrated refuge – PowerCore Enlist Refuge Advanced® corn - and structured refuge options.
- With the addition of the Enlist® corn trait, PowerCore Enlist corn has tolerance to multiple herbicides, including 2,4-D choline, glyphosate, glufosinate, and FOP to allow maximum flexibility in weed management.

POWERCORE ULTRA Enlist

A COMPREHENSIVE TRAIT PACKAGE WITH ADDITIONAL TECHNOLOGY FOR ABOVE GROUND-GROUND PEST PROTECTION.

- Includes all the advantages and flexibility of PowerCore Enlist corn, with an additional mode of action for geographies that need additional protection against fall armyworm and western bean cutworm.
- Available in both integrated refuge – PowerCore® Ultra Enlist® Refuge Advanced® corn – and structured refuge options.

ENLIST® CORN FOR EFFECTIVE, NEIGHBOR-FRIENDLY WEED CONTROL.

Enlist CORN

- Part of the Enlist® weed control system, it enables flexible weed management with a wide application window for late-season broadleaf weed control
- Ease of use and confidence with applications of Enlist® herbicides

LONG-TERM PIPELINE OPPORTUNITIES

REDUCED STATURE CORN

- Yield stability through stress tolerances (wind)
- Corteva Agriscience is bringing new products to market that have been selected for high performance
- All season equipment access

NEW MOA LEPIDOPTERAN 3RD GEN ABOVE-GROUND PROTECTION

- Broad-spectrum control of above-ground lepidopteran pests
- Season-long protection with multiple modes of action
- New insect control proteins derived from Bt source diversify Corteva Agriscience's pipeline of proprietary Bts

NEW MOA CRW 3RD GEN BELOW-GROUND PROTECTION

- New, non-Bt protein sources protect roots by controlling corn rootworm
- Excellent efficacy against Western and Northern corn rootworm
- Corteva developed suite of proprietary traits

YIELD AND YIELD STABILITY TRAIT (Y&YS1)

- Improves grower productivity under a wide range of growing conditions, from stressed to optimal environments
- Consistent yield potential under high-stress conditions
- Corteva developed propriety technology

MULTI-DISEASE RESISTANCE TRAIT

- Delivers dominant disease resistance traits in elite hybrids
- Creates in-field management efficiencies
- Corteva-developed proprietary technology

Brand Family**	Technology Segment	CRM	Silk CRM	GDUs to Silk	GDUs to Physiological Maturity	Grain Drydown	Stalk Strength	Mid-Season Brittle Stalk	Root Strength	Stress Emergence	Drought Tolerance	Ear Flex	Test Weight	Plant Height	Ear Height	Staygreen	Husk Cover	Gray Leaf Spot	Northern Leaf Blight	Tar Spot	Goss's Wilt	Anthracnose Stalk Rot	Head Smut	Gibberella Ear Rot
P6910	AM	69	69	880	1610	3	5	7	5	4	6	3	7	4	4	5	4		3		3			
P72068	AM **NEW**	72	73	920	1710	6	5	5	6	4	7	5	6	5	5	5	5		5		6			
P7389	AM	73	73	920	1710	3	6	5	6	4	7	4	6	5	5	6	6		5		6			
P74691	PCE INTRO	74	74	940	1770	5	4	6	7	5	6	5	6	5	5	5	6		5		5			
P7574	AM	75	77	970	1790	5	6	5	4	6	5	3	6	6	6	6	5		4		4			
P76843	PCE INTRO	76	77	970	1850	6	6	6	6	4	6	5	5	5	6	5	6		4		4			
P78934	PCE INTRO	78	80	1010	1890	6	6	6	7	5	6	4	5	5	6	6	5		4		5			
P7861	AM, R	78	78	980	1840	3	7	5	6	4	7	5	5	6	5	5	6		6		6			
P7844	AM	78	78	980	1940	7	6	5	6	4	6	4	5	5	6	6	6		6		4			
P8048	AM	80	79	990	1890	7	6	6	6	4	6	5	6	5	6	5	6		6		6			
P8294	AM, Q	82	85	1070	1940	5	5	6	4	5	6	4	5	7	7	6	4		5		5			
P82288	AM **NEW**, PCE INTRO	82	82	1030	1940	5	5	5	6	5	6	5	5	6	6	5	5		5		5			
P8407	CONV, AM, Q	84	85	1100	2020	4	7	4	5	4	7	6	5	5	5	5	6		6		5			
P8602	AM	86	84	1060	2040	4	5	7	6	5	7	6	5	6	6	5	6		5		5			
P8736	AM	87	88	1100	2040	5	4	5	4	4	7	5	4	7	7	5	5		6		6			6
P87040	CONV INTRO, PCE INTRO, V INTRO	87	89	1120	2090	6	5	6	6	5	6	6	6	6	6	5	5		5		5			
P8859	AM, Q	88	84	1060	2040	7	6	6	6	6	7	4	5	5	7	5	6		5		5			
P90630	AM **NEW**, Q **NEW**	90	95	1190	2190	7	5	5	5	5	7	4	6	5	7	4	5	3	5		6			5
P9193	AM, Q	91	90	1130	2140	4	5	7	6	6	7	6	7	5	5	5	7	3	5		7			5
P9188	CONV, AM	91	89	1120	2170	4	6	5	8	4	7	5	6	4	4	4	6	5	7		5		1	5
P92399	PCE INTRO	92	92	1150	2190	5	5	6	6	6	8	6	4	6	6	5	5		5		5			
P9211	AM	92	88	1100	2270	7	6	6	6	6	8	6	5	5	6	4	5	3	5	5**	6		5	4
P9492	CONV, AM	94	97	1210	2350	6	7	7	7	7	7	5	5	6	5	7	5	4	5	6**	6		7	3
P9489	AM, Q	94	96	1200	2300	4	4	5	4	6	7	7	5	5	5	5	6	3	6	5	7		6	5
P9466	PCE INTRO	94	95	1190	2320	4	7	7	6	7	7	4	5	6	6	5	5	3	5	5	7		7	5
P95819	PCE INTRO, V INTRO	95	97	1220	2380	4	5	6	7	6	7	6	5	5	5	6	6	3	5		6		6	4
P96760	PCE **NEW**, Q **NEW**, V INTRO	96	96	1200	2350	7	6	7	6	6	7	6	5	5	5	7	7	4	5	5**	5		5	3
P9624	CONV **NEW**, AM, Q	96	96	1200	2300	5	7	6	6	5	8	6	6	4	5	8	6	5	6	6	7		2	7
P9772	AM	97	98	1220	2350	6	4	6	7	5	7	6	5	5	5	5	5	3	4	5	5		6	4
P97299	AM **NEW**, PCE INTRO, Q **NEW**, V INTRO	97	94	1180	2350	6	7	6	6	5	9	6	5	5	5	6	6	4	5	5**	5		4	3
P98533	PCE INTRO	98	98	1230	2420	7	6	6	6	6	7	6	4	6	6	7	6	3	5	6**	5		2	4
P9830	AM	98	96	1200	2350	5	7	6	7	6	8	6	6	4	4	5	6	4	5	6	7		7	5
P9823	Q, V INTRO	98	95	1190	2420	4	5	5	6	5	6	6	5	6	6	5	5	5	6	5**	5	2	7	5
P9955	CONV **NEW**, AM, PCE INTRO, Q, V INTRO	99	99	1240	2400	5	6	6	7	5	7	7	7	6	5	5	7	3	5	5	6		6	5
P0075	CONV, AM, Q	100	103	1280	2500	5	6	6	6	6	8	5	5	5	5	5	5	5	6	6	8	4	5	6

FEATURED PRODUCTS

PIONEER P82288 Family

- Great hybrid for high yield environments and versatile enough for variable acres with a solid agronomic package.

PIONEER P87040 Family

- Versatile hybrid with top performance for zone. Flex ear type with good test weight and dry down.

PIONEER P90630 Family

- 90 day with impressive performance, good drought tolerance and good grain quality.

PIONEER P96760 Family

- 95 zone yield leader. Excellent staygreen, strong emergence on moderate stature.

PIONEER P9955 Family

- Consistent top yielder with solid agronomics coupled with good test weight.

NEW = NEW product **INTRO** = Introductory product. Quantities may be limited.

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P00549	PCE INTRO, V INTRO	100	96	1200	2410	6	6	5	6	6	8	3	5	5	5	5	6	4	5	4**	6			4
P00177	AM NEW	100	100	1250	2450	6	6	7	7	6	6	6	5	4	4	6	6	5	5	6**	6	4	7	3
P0157	AM, AMXT	101	102	1270	2450	5	5	5	7	5	9	6	6	4	4	4	7	4	5	5	8	4	4	4
P0220	AM, Q	102	97	1210	2470	6	5	6	7	6	7	5	5	4	5	4	6	5	5	4**	6	5	7	5
P03951	PCE INTRO	103	102	1270	2550	5	6	6	6	6	7	6	5	5	4	5	6	5	5	4**	6	4	2	3
P0339	Q	103	101	1260	2420	6	6	5	8	6	9	5	5	3	4	6	4	4	6	5**	8	4	4	4
P03115	V INTRO	103	102	1270	2470	4	4	6	6	5	9	6	5	6	5	5	7	4	5	6	7	4	3	5
P04922	Q NEW	104	101	1250	2500	3	7	5	7	6	7	5	6	6	5	5	6	4	6	8	6	5	2	3
P0487	PCE INTRO, Q	104	103	1280	2530	4	5	6	5	6	9	6	5	7	6	5	6	5	6	6	7	5	6	3
P04511	AM NEW, V INTRO	104	102	1270	2420	3	6	5	6	5	7	8	6	6	5	6	6	4	5	5	6	7	7	4
P0421	AM, Q	104	98	1220	2470	7	5	6	7	5	7	6	5	3	4	6	6	4	5	7	7	3	8	4
P0404	AM, Q	104	100	1250	2450	3	5	6	7	5	8	6	5	5	5	4	6	5	5	5**	6	4	4	5
P0589	CONV, AM	105	105	1310	2600	6	5	6	8	7	9	6	5	4	5	6	5	5	4	6	6	4	6	3
P05737	CONV INTRO, PCE INTRO, V NEW	105	102	1270	2580	5	6	6	6	5	8	7	5	5	6	6	6	5	5	5	4	4	4	4
P05466	V INTRO	105	102	1270	2500	6	6	6	7	5	7	5	5	5	4	6	7	4	5	5	6	5	2	
P0529	Q	105	108	1340	2550	8	6	6	6	5	6	7	5	6	6	5	5	5	6	6**	6	5	6	5
P0688	AM	106	103	1280	2500	5	7	6	7	5	8	4	5	4	4	6	5	5	4	5**	5	4	6	4
P0622	Q	106	102	1270	2550	4	5	6	7	5	9	5	6	4	5	5	4	3	5	6	6	4	4	5
P0859	AM	108	111	1380	2680	5	6	7	6	5	7	6	5	6	6	7	7	5	5	5	7	5	6	3
P08527	V INTRO	108	111	1380	2600	5	5	7	6	5	8	6	6	6	5	6	7	5	5	6	7	4	5	
P08075	V INTRO	108	109	1360	2580	4	4	6	6	5	8	6	6	6	5	6	6	5	6	7*	6	4	7	4
P0953	AM	109	111	1380	2730	3	6	6	6	5	6	6	6	6	5	6	7	5	6	5	6	6	2	3
P0947	Q	109	107	1330	2580	5	7	7	6	6	6		7	7	6	5	6	5	7	6	7	6	7	
P09312	V INTRO	109	108	1340	2760	5	6	7	6	5	8	6	6	5	5	6	8	5	6	5	6	5	7	
P0924	CONV, Q	109	109	1360	2700	5	5	6	6	6	7	5	7	6	6	6	7	5	6	6	5	4	5	
P10625	V INTRO	110	109	1360	2760	5	5	7	7	5	8	6	6	5	5	6	7	5	6	6**	6	4	7	
P1027	AM	110	109	1360	2760	5	6	6	6	5	6	8	6	6	6	6	7	5	6	6	5	4	5	
P1185	CONV, AM, Q	111	110	1370	2730	3	6	6	7	4	7	6	8	4	5	6	5	4	6	6**	5	5		
P1164	AM, V INTRO	111	114	1420	2730	4	6	6	7	6	7	6	6	6	6	7	7	5	5	5**	7	5	6	
P1151	AM	111	106	1320	2580	6	5	7	7	4	9	6	6	5	4	6	6	4	5	5**	6	4	2	3
P1244	AM	112	108	1340	2600	5	6	6	7	5	9	5	7	5	5	6	7	4	5	5	6	4	2	4
P12065	Q NEW	112	109	1360	2730	6	6	5	7	5	7	4	5	6	5	6	7	5	5	7*	6	6	2	
P13777	PCE INTRO, V INTRO	113	112	1390	2650	5	6	6	6	5	7	6	6	6	5	6	6	5	5	6**	7	4	7	
P1366	AM, Q	113	111	1380	2760	5	5	7	7	4	6	6	5	5	7	7	3	4	6	6	6	5	5	
P14830	Q NEW	114	112	1390	2700	6	6	5	6	5	6	7	5	5	6	6	7	4	6	5**	5	4	3	

FEATURED PRODUCTS

P0404 Family

- Multiyear proven top yield performer with above average roots and brittle snap tolerance.

P05466 Family

- Great combination of yield potential and solid agronomics.

P05737 Family

- Performance leader with good roots and brittle snap tolerance. Very good drought tolerance.

P08527 Family

- Versatile hybrid with very good drought tolerance and dependable agronomics.

P14830 Family

- New product bringing NCGA winning yields with good stalks and roots.

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Brand Family**	Technology Segment	Silage CRM	Silage Yield	Starch and Sugar, %	Fiber Digestibility	Milk Per Ton	Milk Per Acre	Beef Per Acre	Stalk Strength	Mid-Season Brittle Stalk	Root Strength	Stress Emergence	Drought Tolerance	Plant Height	Northern Leaf Blight	Tar Spot	Goss's Wilt
P74691	PCE INTRO	71	7	8	7	9	7	7	4	6	7	5	6	5	5		5
P72068	AM **NEW**	73	8	7	6	6	7	7	5	5	6	4	7	5	5		6
P7389	AM	74	8	8	6	7	7	7	6	5	6	4	7	5	5		6
P8048	AM	76	8	7	7	7	8	8	6	6	6	4	6	5	6		6
P76843	PCE INTRO	78	7	7	7	7	7	7	6	6	6	4	6	5	4		4
P78934	PCE INTRO	79	6	8	7	8	7	7	6	6	7	5	6	5	4		5
P7574	AM	79	9	7	6	6	9	9	6	5	4	6	5	6	4		4
P7861	AM, R	80	7	9	8	8	7	7	7	5	6	4	7	6	6		6
P7844	AM	80	7	8	7	7	6	6	6	5	6	4	6	5	6		4
P8602	AM	81	7	8	7	7	6	6	5	7	6	5	7	6	5		5
P8859	AM, Q	82	7	8	7	7	7	7	6	6	6	6	7	5	5		5
P8294	AM, Q	83	8	7	5	6	8	8	5	6	4	5	6	7	5		5
P82288	AM **NEW**, PCE INTRO	83	8	7	7	8	8	8	5	5	6	5	6	6	5		5
P8407	CONV, AM, Q	86	8	8	8	8	8	8	7	4	5	4	7	5	6		5
P87040	CONV INTRO, PCE INTRO, V INTRO	88	8	7	7	8	8	8	5	6	6	5	6	6	5		5
P9193	AM, Q	89	8	8	7	7	9	9	5	7	6	6	7	5	5		7
P90630	AM **NEW**, Q **NEW**	89	9	8	7	7	8	8	5	5	5	5	7	5	5		6
P9466	PCE INTRO	91	8	8	7	7	8	8	7	7	6	7	7	6	5	5	7
P9211	AM	91	7	8	8	8	8	8	6	6	6	6	8	5	5	5**	6
P92399	PCE INTRO	92	8	8	7	8	8	8	5	6	6	6	8	6	5		5
P97299	AM **NEW**, PCE INTRO, Q **NEW**, V INTRO	94	7	8	6	7	7	7	7	6	6	5	9	5	5	5**	5
P9492	CONV, AM	94	8	8	7	7	8	8	7	7	7	7	7	6	5	6**	6
P9789	AMXT	95	8	7	8	7	8	8	5	6	6	6	6	6	6		7
P9830	AM	96	7	8	7	8	8	8	7	6	7	6	8	4	5	6	7
P96760	PCE INTRO, Q **NEW**, V INTRO	97	7	8	7	7	8	8	6	7	6	6	7	5	5	5**	5
P9823	Q, V INTRO	98	9	7	7	7	8	8	5	5	6	5	6	6	6	5**	5
P95819	PCE INTRO, V INTRO	98	7	7	7	7	8	8	5	6	7	6	7	5	5		6
P9955	CONV **NEW**, AM, PCE INTRO, Q, V INTRO	99	8	8	7	7	8	8	6	6	7	5	7	6	5	5	6
P98533	PCE INTRO	99	8	7	7	7	7	7	6	6	6	6	7	6	5	6**	5
P00549	PCE INTRO, V INTRO	99	7	8	7	8	8	8	6	5	6	6	8	5	5	4**	6
P0487	PCE INTRO, Q	101	8	9	7	8	8	8	5	6	5	6	9	7	6	6	7
P0031	Q	101	8	9	6	7	9	9	5	5	6	6	6	5	6	5**	6
P04922	Q **NEW**	104	7	9	7	7	7	7	7	5	7	6	7	6	6	8	6
P04511	AM **NEW**, V INTRO	104	8	7	6	7	8	8	6	5	6	5	7	6	5	5	6
P0421	AM, Q	104	7	9	9	8	8	8	5	6	7	5	7	3	5	7	7
P03951	PCE INTRO	104	7	9	8	7	7	7	6	6	6	6	7	5	5	4**	6

FEATURED PRODUCTS

P87040 Family

- Versatile hybrid with impressive milk per acre and milk per ton.

P90630 Family

- Outstanding silage yield with strong roots and good emergence.

P92399 Family

- High tonnage potential with good digestibility, agronomics, and drought tolerance.

P9823 Family

- Proven silage leader with strong stress emergence.

P9955 Family

- Good tonnage and fiber digestibility with higher starch content. Performs across wide range of environments.

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P03115	V INTRO	104	7	8	8	8	8	8	4	6	6	5	9	6	5	6	7
P0242	AMXT	104	7	9	8	9	8	8	6	5	5	5	7	6	5		7
P05466	V INTRO	105	7	8	8	8	7	7	6	6	7	5	7	5	5	5	6
P0529	Q	105	8	8	7	7	8	8	6	6	6	5	6	6	6	6**	6
P09312	V INTRO	106	8	8	7	7	8	8	6	7	6	5	8	5	6	5	6
P05737	CONV INTRO, PCE INTRO, V **NEW**	106	7	8	7	7	8	8	6	6	6	5	8	5	5	5	4
P0075	CONV, AM, Q	106	8	7	9	8	8	8	6	6	6	6	8	5	6	6	8
P08075	V INTRO	107	8	8	8	7	8	8	4	6	6	5	8	6	6	7*	6
P0789	AMXT	107	9	6	7	7	9	9	6	3	5	6	4	9	5		7
P0157	AM, AMXT	107	8	8	7	7	8	8	5	5	7	5	9	4	5	5	8
P1244	AM	108	7	8	9	8	7	7	6	6	7	5	9	5	5	5	6
P0924	CONV, Q	108	8	8	9	9	8	8	5	6	6	6	7	6	6	6	5
P08527	V INTRO	108	8	7	8	7	8	8	5	7	6	5	8	6	5	6	7
P0622	Q	108	6	9	8	7	8	8	5	6	7	5	9	4	5	6	6
P0306	Q	108	8	9	8	9	8	8	6	4	8	5	9	3	5	5**	7
P1185	CONV, AM, Q	109	8	9	9	9	8	8	6	6	7	4	7	4	6	6**	5
P0953	AM	109	8	8	8	7	9	9	6	6	6	5	6	6	6	5	6
P10625	V INTRO	110	8	7	7	7	7	7	5	7	7	5	8	5	6	6**	6
P1027	AM	110	8	8	9	7	8	8	6	6	6	5	6	6	6	6	5
P13777	PCE INTRO, V INTRO	111	9	7	8	7	8	8	6	6	6	5	7	6	5	6**	7
P1089	AMXT	111	8	8	8	8	8	8	6	6	4	6	9	6	6	4	6
P0947	Q	111	8	8	8	8	9	9	7	7	6	6	6	7	7	6	7
P0859	AM	111	8	7	7	7	8	8	6	7	6	5	7	6	5	5	7
P14830	Q **NEW**	112	9	8	9	7	8	8	6	5	6	5	6	5	6	5**	5
P1164	AM, V INTRO	112	8	7	6	7	8	8	6	6	7	6	7	6	5	5**	7
P1366	AM, Q	114	7	8	8	9	7	7	5	7	7	4	6	5	6	6	6
P12065	Q **NEW**	115	7	7	7	7	7	7	6	5	7	5	7	6	5	7*	6

BROWN MIDRIB (BMR) CORN PRODUCTS

P95075	Q	95	7	7	B	8	7	7		5	6	5		5	4		6
P9884	Q	98	7	7	B	9	7	7	4	6	5	5		5	5		6
P0275	Q	102	7	7	B	9	7	7	4	6	6	6		5	5		6
P08133	Q **NEW**	108	7	7	B	9	7	8		7	6	5		7	5		5
P1267	Q	112	6	7	B	7	6	6	5	7	6	5		5	5		5
P13968	AMXT **NEW**	113	6	6	B	8	6	6		7	6	6		7	5		5
P1449	AMX	114	7	7	B	9	7	7	3	6	5	5	6	8	5		5

FEATURED PRODUCTS

PIONEER P05466 Family

- High quality silage with above average starch content. Early silking allows versatility North to South.

PIONEER P08527 Family

- Dependable agronomics with high tonnage and fiber digestibility.

PIONEER P14830 Family

- Setting new bar for silage yield. High starch content and strong NCLB tolerance.

PIONEER P9884 Family

- Leader BMR for early silage market. High quality coupled with good starch content.

PIONEER P08133 Family

- 108 BMR with excellent fiber digestibility coupled with good agronomics.

NEW = NEW product INTRO = Introductory product. Quantities may be limited.

For complete definitions and disclaimers related to characteristics ratings, and all other information contained herein, see page 25. Not all products are available in all areas.

LUMIGEN® SEED TREATMENTS

For Pioneer® Brand Corn

PREMIUM PACKAGE

LumiGEN® seed treatments for corn protect our elite genetics from early-season disease, insects and nematodes to help maximize yield potential.

- LumiGEN fungicide seed treatment is the most robust available in the industry, providing enhanced protection against metalaxyl-resistant *Pythium* species and a new active ingredient, inpyrfluxam, against *Rhizoctonia* and *Fusarium*
- Lumialza® nematicide seed treatment shields roots with an expanding bio-barrier protecting corn from yield-robbing nematodes for more than 80 days while cooperating with beneficial microorganisms

EARLY-SEASON PROTECTION

Diseases:	Insects:	Nematodes:
Pythium	Wireworm	Sting
Fusarium	White grub	Needle
Rhizoctonia	Black cutworm	Lance
Penicillium	Fall armyworm	Stubby-root
Aspergillus	Seedcorn maggot	Root-knot
Seedborne disease	Corn Flea Beetles	Dagger
	And more...	Lesion

	PREMIUM PACKAGE	ENHANCED CORN ROOTWORM PACKAGE
FUNGICIDE SEED TREATMENT		
Lumiscend™ Pro (inpyrfluxam, ethaboxam, metalaxyl)	✓	✓
Ipconazole	✓	✓
L-2012 R biofungicide	✓	✓
INSECTICIDE/NEMATICIDE SEED TREATMENTS		
Lumivia® 250	✓	
Lumisure® 250	✓	
Lumialza® nematicide	✓	✓
Lumisure® 1250		✓

Lumialza Advantage over FST/IST

9.0 bu/a YIELD ADVANTAGE[1] in high nematode pressure

3.7 bu/a YIELD ADVANTAGE[1] in low nematode pressure

ENHANCED CORN ROOTWORM PACKAGE

Brings the same disease and nematode protection as our Premium Package above with Lumisure® 1250 insecticide seed treatment to provide enhanced yield protection against corn rootworm.

- Shields against harmful nematodes while cooperating with beneficial soil organisms
- 80+ days of root growth protection

PROTECTION — **Insects:** Corn Rootworm, Wireworm, White grub, Black cutworm, Seedcorn maggot, Bill bug†, And more...

Untreated — LumiGEN® seed treatments

FUNGICIDE SEED TREATMENT
Lumiscend™ Pro
Lumiante™
LumiTreo™

INSECTICIDE SEED TREATMENT
Lumiderm®
Lumisure®
Lumivia®
Phalanx™

NEMATICIDE SEED TREATMENT
Lumialza®

ILEVO® HL Seed Treatment

* Pending state registration

† Early-season suppression only

[1] Lumialza® nematicide seed treatment vs. non-nematicide seed treatment utilizing the same insecticide and fungicide recipe in seed applied technology replicated and strip trial data. Yields ranged from 3 to 9 bu/a depending on nematode species and population, in 184 low stress and 54 moderate to high stress locations.

[2] Data is based on 638 head-to-head comparisons between Lumisena fungicide seed treatment (0.568 fl oz/cwt) and metataxyl (0.75 fl oz/cwt) in the top 10 soybean-producing states through Dec. 12, 2017, and subsequent replicated trials in 2018, 2019 and 2020. Comparisons were made utilizing the same soybean variety. DO NOT USE THIS OR ANY OTHER DATA FROM A LIMITED NUMBER OF TRIALS AS A SIGNIFICANT FACTOR IN PRODUCT SELECTION.

[3] Data is based on average of comparisons in Pioneer Agronomy Science trials from 2012-2015 at 165 locations. Fluopyram use rate of 0.15mg ai/seed.

[4] Statistically significant improvement in plant stands (gaps) and vigor based on Corteva Agriscience research data from 2019 – 2022, 153 locations.

[5] Statistically significant improvement in yield resulting in a 1 – 3 bu/a advantage base on Corteva Agriscience research data form 2019 – 2022, 145 locations.

The foregoing is provided for informational use only. Please contact your Pioneer sales professional for information and suggestions specific to your operation. Product performance is variable and depends on many factors such as moisture and heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. Individual results may vary.

All products may not be registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

The information presented here is not an offer for sale. This is not intended as a substitute for the product label for the product(s) referenced herein. The information contained in this technical document is based on the latest to-date technical information available to Corteva Agriscience, and Corteva reserves the right to update the information at any time.

Components of LumiGEN® seed treatments for soybeans are applied at a Corteva Agriscience production facility, or by an independent sales representative of Corteva Agriscience or its affiliates. Not all sales representatives offer treatment services, and costs and other charges may vary. See your sales representative for details. Seed applied technologies exclusive to Corteva Agriscience and its affiliates.

ILEVO® HL is a registered trademark of BASF.

Sebring® is a registered trademark of Nufarm.

For Pioneer® Brand Soybeans

PREMIUM PACKAGE

Our powerful combination of 6 different modes of action enhanced by LumiTreo™ fungicide seed treatment leads the industry in yield protection against early-season diseases.

- LumiTreo™ offers best in class protection against the number one early-season disease in soybeans, *Phytophthora*
- Lumiante™ fungicide seed treatment protects seed investments from early season disease pressure, providing control against metalaxyl-resistant *Pythium* species, *Phytophthora* and other water molds (oomycetes)
- Multiple modes of action against *Pythium*, *Rhizoctonia*, *Fusarium* and *Phomopsis* with Sebring® metalaxyl and L-2030G biofungicide helps maximize yield with healthy uniform stand establishment

PROTECTION — **Diseases:** Phytophthora, Pythium, Fusarium, Rhizoctonia, Phomopsis

INSECTICIDE PACKAGE

Enhance fungicide protection with early season insect control.

- For growers who are investing in tools and practices to drive higher yields on their soybean acres
- Phalanx,™ a neonicotinoid insecticide, provides broad-spectrum control of key early season pests
- Phalanx paired with Lumiderm, a diamide insecticide, provides a second mode of action against seedcorn maggot, bean leaf beetle and aphids
- When Phalanx and Lumiderm insecticide are paired, they provide a statistically significant improvement in plant stands and vigor,[4] as well as a 1 to 3 bu/A advantage over the neonicotinoid insecticide alone[5]

EARLY-SEASON PROTECTION — **Insects:** Bean leaf beetle, Early season aphid, Seedcorn maggot, Cutworms*, White grub, Wireworm, Thrips

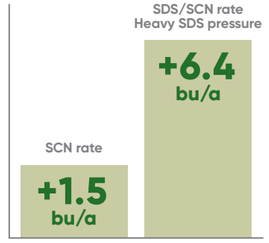
OPTION TO ADD TO ANY PACKAGE

ADD ILEVO® HL SEED TREATMENT

Two rates of extra protection for fields at risk to soybean cyst nematode (SCN) and sudden death syndrome (SDS)

- at lower rate – protection against SCN
- at higher rate – protection against SCN and SDS

ILEVO® HL seed treatment[3]



	PREMIUM PACKAGE	INSECTICIDE PACKAGE
FUNGICIDE SEED TREATMENT		
LumiTreo™	✓	
Lumiante™	✓	
Sebring® metalaxyl	✓	
L-2030 G biofungicide	✓	
INSECTICIDE SEED TREATMENTS		
Phalanx™		✓
Lumiderm®		✓

LumiTreo™ backed by Lumisena

Best-in-class protection against *Phytophthora*

4.0 bu/a YIELD ADVANTAGE[2] in high stress environments vs. high rate metalaxyl

1.0 bu/a YIELD ADVANTAGE[2] benefit across the farm vs. high rate metalaxyl

Seedcorn Maggot Pressure

Lumiderm® + neonicotinoid seed treatment — Neonicotinoid seed treatment

TruChoice®

A BETTER WAY TO BUY CROP PROTECTION

Save up to 15%

on Corteva Agriscience™ crop protection products

FUND
your TruChoice® offer prepay account*

EARN up to 15%

SPEND
prepay funds on over 100 leading crop protection products

KEY PRODUCTS INCLUDE:

HERBICIDE

Kyro™
Resicore®
Stinger® HL
SureStart® II
Surpass® NXT
Afforia®
EverpreX®
Sonic®
Enlist One®
COLEX-D® technology
Enlist Duo®
COLEX-D® technology

FUNGICIDE

Aproach®
Onmira™ active
Aproach® Prima
Viatude™
Onmira™ active

INSECTICIDE

Ridgeback®
Isoclast™ active
Transform® WG
Isoclast™ active

NITROGEN STABILIZER

Instinct NXTGEN®
Optinyte™ technology
N-Serve®
Optinyte™ technology

biologicals

Sosdia® Stress
Utrisha® N
Utrisha® P

For a full list of eligible crop protection products, visit TruChoice.corteva.us
For more information, contact your local Pioneer sales representative for more information.
TruChoice Support Team: (800) 922-2368

* A minimum of $5,000 deposit is needed to open a TruChoice prepay account.

Enlist One® and Enlist Duo® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist One and Enlist Duo herbicide is the only 2,4-D product authorized for use in Enlist crops. Always read and follow label directions.

Kyro™, Resicore®, SureStart® II and Surpass® NXT are not registered for sale or use in all states. Kyro, Resicore, SureStart II and Surpass NXT are not available for sale, distribution or use in Nassau and Suffolk counties in the state of New York. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

Stinger® HL is not available for sale, distribution or use in Nassau and Suffolk counties in the state of New York. State restrictions on the sale and use of Stinger apply. Consult the label before purchase or use for full details. Always read and follow label directions.

Aproach®, Aproach® Prima, Viatude™, Ridgeback®, Transform® WG, Afforia®, EverpreX® herbicide, Sonic®, Instinct NXTGEN®, Utrisha® N and Utrisha® P are not registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

N-Serve® 24: Do not fall-apply anhydrous ammonia south of Highway 16 in the state of Illinois. Always read and follow label directions.

Sosdia® Stress abiotic stress mitigator is not registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions.

24_020113

PIONEER DIGITAL EXPERIENCE

powered by Granular Insights

Enjoy best-in-class product management and highest return on investment when you combine local knowledge, expertise and service with our technology.

HARNESS PIONEER EXPERTISE ALL SEASON LONG

Field-by-Field Crop Plans

Stay on track with tailored seed, crop protection and nutrient crop plans.

- Your local team pairs product and agronomy expertise to create crop plans (i.e., corn-on-corn fields using Vorceed® products or heavy cyst nematodes fields using Peking SCN source varieties with ILEVO® HL seed treatment).

On-Demand Reports

Generate planning, as-planted, growing season and harvest reports.

- Place planning reports in the tractor, share planting reports and review performance with your Pioneer team to create next year's plans.

Variable Rate Seeding Prescriptions

Customized corn and soybean seeding prescriptions.

- Push the max in high-yielding corn areas and reduce costs on the drought-prone areas.

Planting & NEW As-Planted Data Connectivity & Upload

A single place to store, visualize and utilize data captured in field.

- Your local team knows where Pioneer® brand products are planted, and chemical/fertilizer applications are made to service you efficiently and discuss end-of-year results.

Agronomic Map Layers

Visualize soils, varieties, seeding rates, planting dates, yields and moistures.

- Use Lasso to eliminate headlands and zero in on the true field performance or easily compare a subfield area of your field across map layers.

Field Notes & Observations

Observe, capture and share field notes between you and the Pioneer team.

- Geo-located notes and photos let you know which fields are trending favorably and where decisions need to be made.
- Optimize silage harvest and request silage staging reports from your Pioneer team.

Satellite Imagery

Satellite imagery combined with geo-location technology to diagnose.

- Get a bird's eye view and compare imagery and yield layer to understand impacts to yield results.

Harvest Data Connectivity & Upload

A single place to store and visualize the seasons results.

- Connect the yield monitor to Granular Insights via Wireless Data Transfer (John Deere Operations Center,™ Ag Leader® AgFiniti,® CaseIH AFS Connect,™ & NEW Precision Planting Panorama™).

Analyze Performance

Analyze machine data to understand field and product performance.

- See a holistic view of yield via field, soil and variety. Drill deeper into the results and compare two varieties by field, seeding rate, soil and planting date to understand performance.

Z SERIES SOYBEANS

PIONEER®

A **NEW ERA** IN SOYBEAN PERFORMANCE

Pioneer® brand Z-Series Soybeans – a new class of soybean genetics, that's in a class of its own. Our soybean research consistently leads the industry with cutting-edge innovation and years of comprehensive testing to bring farmers top-end performance.

Z-SERIES SOYBEANS ZONE OF SUCCESS

MORE YIELD

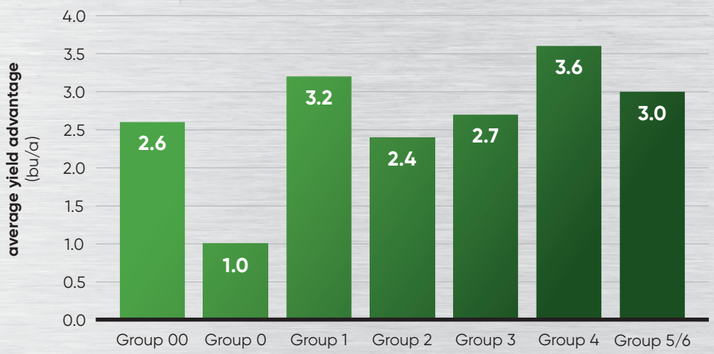
Exclusive varieties delivering breakthrough genetic gains and unleashing game-changing yields.

Plant the leader!

2.7 bu/a yield advantage vs. current A-Series Soybeans

Additional $35.00/per acre return on investment

Average Z-Series Soybeans yield advantage over A-Series Soybeans
(by maturity group)



MORE CONSISTENT AGRONOMICS & ENHANCED DISEASE PROTECTION

Bred for offensively strong defensive traits. Nearly 10,000 IMPACT™ and on-farm local trials from 2020-2023 to rigorously test varieties under various conditions so they can thrive in every grower's unique local conditions.

Increased scores in Sudden Death Syndrome (SDS), white mold, iron deficiency chlorosis and lodging resistance over current varieties.

Lodging Resistance	SDS	Iron Chlorosis	White Mold
0.3	0.5	0.5	0.6

13 **new varieties with Peking Source SCN resistance for increased SCN resistance management.**

EXCLUSIVE, SUPERIOR GENETICS

Over 50 varieties in Group 00 to Group 6. 100% exclusive! Only in a Pioneer soybean bag. Varieties with the leading soybean trait technology, Enlist E3® soybeans.

Enlist E3® SOYBEANS

Pioneer: America's #1 Soybean Brand

"We don't look for one hit wonders. We look for stability and yield performance across a wide area."

– Les Kuhlman, Soybean Breeder

From A to Z, we got you covered!
The new era in soybean performance is here.

Brand*	Relative Maturity	Technology Segment	Harvest Standability	Field Emergence	Phytophthpra Gene	Phytophthora Field Tolerance	Brown Stem Rot Marker Predicted	Iron Chlorosis	White Mold	Sudden Death Syndrome	SCN Source	Cyst Nematode Race 1	Cyst Nematode Race 2	Cyst Nematode Race 3	Cyst Nematode Race 5	Cyst Nematode Race 14	Charcoal Rot	Canopy Width	Plant Height for Maturity	Seeds Per Pound
NEW **P006Z63E**™	00.6	E3	8**	6	1c	4**	MS	6	7**	4**	-	1**	1**	1	1**	1**	6	4**	6	2540
P007A68E™	00.7	E3	8	7**	1c	5**	MS	6	6	2**	-	1**	1**	1**	1**	1**	5	4**	5	2530
NEW **P02Z34E**™	0.2	E3	7**	7	1k,6		HT	7	4**	5**	PI88788	1**	1**	8	1**	8	4**	6	3	2480
P04A98E™	0.4	E3	7	7	1c	7**	MS	6	6	4**	-			4**			3	4**	3	2120
NEW **P04Z49E**™	0.4	E3	6**	7	1k	5**	MS	7	4	5**	PI88788	1**	1**	9	1**	8	5	6	4	2470
NEW **P05Z60E**™	0.5	E3	7**	7	1c	5**	MT	5	6	4**	PI88788	1**	1**	7	1**	6	6	5**	3	2280
P06A38E™	0.6	E3	7	6	1c	7**	MS	6	7	5**	-			4**			4	5	4	2160
NEW **P06Z90E**™	0.6	E3	7**	8	1k	6**	HT	7	5	5**	PI88788	1**	1**	8	1**	8	5	6	4	2340
P08A44E™	0.8	E3	7	6	1k	4**	HT	8	4	4**	PI88788	1**	1**	9	1**	9	4	4**	5	2330
NEW **P09Z79E**™	0.9	E3	7**	7	1k	4**	MT	7	6**	6**	PI88788	1**	1**	9	1**	9	6	6**	5	2630
P11T36E™	1.1	E3	7	6	-	5	HT	5	4	5	PI88788			9		7	5	6	4	2560
NEW **P11Z72E**™	1.1	E3	6**	6	1c	5**	HT	6	6	5**	Peking	1	1**	9	4	1**	5	5**	4	2250
NEW **P13Z28E**™	1.3	E3	7**	6	1k	4**	MT	6	6	5**	PI88788	1**	1**	9	1**	8	5	5**	5	2690
NEW **P14Z16E**™	1.4	E3	7**	7	1k	4**	MT	5	5	6**	Peking	9	1**	9	9	1**	4	5**	6	2660
NEW **P14Z67E**™	1.4	E3	7**	7	1k	5**	HT	6	3	5**	PI88788	1**	1**	9	1**	8	4	6	4	2430
NEW **P15Z80E**™	1.5	E3	8	7	1k	4**	MT	6	4	5**	Peking	9	1**	9	9	1**	6	6	4	2520
NEW **P16Z42E**™	1.6	E3	8	7	1k	5**	HT	7	5	5**	PI88788	1**	1**	8	1**	8	5	6**	4	2600
NEW **P17Z39E**™	1.7	E3	7	7	1k	4**	HT	5	5	7**	Peking	8	1**	9	9	1**	6	5**	5	2620
P18A73E™	1.8	E3	7	7	1k	4**	MT	5	5	7	Peking	9	5**	9	9	1	4	5	4	2870
P19A37E™	1.9	E3	7	8	1k,3a		HT	6	4	6**	PI88788	1**	1**	9	1**	8	6	5**	5	2720
P19A66E™	1.9	E3	6	7	-	6**	MS	6	3	5	PI88788			9		8	5	6	5	2650
NEW **P19Z52E**™	1.9	E3	7	7	1k	4**	MT	6	4	6**	Peking	8	1**	9	9	1**	4	6	5	2500
NEW **P20Z14E**™	2.0	E3	7	7	1k	4**	MT	7	4	6**	Peking	7	1**	9	8	1**	5	6	5	2520
NEW **P21Z71E**™	2.1	E3	8	7	1k	5**	MT	6	4	6**	Peking	9	1**	9	9	1**	4	6	4	2540
P22A67E™	2.2	E3	6	7	1k,3a		HT	5	4	6**	PI88788	1**	1**	9	1**	9	5	5**	5	2610
NEW **P23Z82E**™	2.3	E3	8	7	1k	4**	HT	5	5	5**	Peking	9	1**	9	9	1**	5	5**	4	2590
P25A16E™	2.5	E3	8	7	1k	4**	MT	5	6	7	Peking	9		9	9	2	4	6	5	2690
NEW **P26Z78E**™	2.6	E3	8	7	1k	5**	MT	6	5	5**	PI88788	1**	1**	8	1**	6	6	5**	5	2680

FEATURED PRODUCTS

- Late group 0 SCN tolerant leader with solid agronomics.

- Excellent White Mold and SDS tolerance. Widely adapted.

- Strong yield potential with reliable White Mold and SDS tolerance.

- High yield potential with a robust canopy. Offers PEKING with very good IDC tolerance.

- High yielding PEKING source of SCN resistance with excellent standability.

NEW = NEW product

SPECIALTY AND CONVENTIONAL PRODUCTS

Brand*	Relative Maturity	Technology Segment	Harvest Standability	Field Emergence	Phytophthpra Gene	Phytophthora Field Tolerance	Brown Stem Rot Marker Predicted	Iron Chlorosis	White Mold	Sudden Death Syndrome	SCN Source	Cyst Nematode Race 1	Cyst Nematode Race 2	Cyst Nematode Race 3	Cyst Nematode Race 5	Cyst Nematode Race 14	Charcoal Rot	Canopy Width	Plant Height for Maturity	Seeds Per Pound
P07A10™	0.7	-	6**	8	1c	7	MS	5	4	3**	PI88788	1**	1**	8	1**	8**	6	7	6	2340
P11A50™	1.1	-	7	8	1k	5	HT	5	6	3**	PI88788	1**	1**	9	1**	6	4	4	4	2280
P15A20™	1.5	-	7	8	1c	7	HT	6	5	3**	PI88788	1**	1**	9	1**	8	6	5	5	2350
P18A82™	1.8	-	7	8	1k,3a		HT	5	4	6**	PI88788	1**	1**	9	1**	8	3	6	5	2210
P20A10™	2.0	-	7	8	1k,3a		HT	5	4	5	PI88788	1**	1**	9	1**	8	4	5**	5	2450
P21A20™	2.1	-	6	7	1c	5	HT	4	4	5	PI88788			8		6	3	6	4	2380
P26A20™	2.6	-	8	8	1k	4	HT	4	5	7	PI88788	1**	1**	9	1**	8**	6	5**	5	2150
P19A27PR™	1.9	Plenish,R	7	6	1c	4	MT	5	4	6	Peking	9	1**	9	9	2	2	4	5	3130
P21A31PR™	2.1	Plenish,R	7	8	1k,3a		MT	5	4	4	Peking	9	1**	9	9	2	5	6	4	2490
P22A36PR™	2.2	Plenish,R	7	7	1k	7	MT	4	5	8	Peking	9		9	9	3	2	6	6	2440
P24A46PR™	2.4	Plenish,R	7	7	1k	4	MT	5	5	6	Peking	9	1**	9	9	1	4	5	5	2820
P27A26PR™	2.7	Plenish,R	9	8	1k	5	MT	5	6	6	Peking	9	1**	9	9	2	5	6	4	2670

FEATURED PRODUCTS

- Leader conventional with very good emergence. Strong White Mold and is widely adapted.

- High yield potential for high management acres. Offers stacked Phytophthora resistance genes.

- Proven performance with higher protein.

- Leader early group 2 Plenish® variety with PEKING SCN resistance, good standability and Phytophthora package.

- Full season Plenish variety with PEKING SCN resistance and good SDS tolerance.

NEW = NEW product

	INOCULANTS			RAPID REACT® TECHNOLOGY			NUTRIVAIL® FEED TECHNOLOGY		
	1174	**1189**	**11H50**	**11C33**	**11B91**	**11G22**	**11CFT****	**11AFT****	**11GFT****
Crop-specific options using patented, proprietary bacterial strains	Multi-Crop	HMC	Alfalfa	Corn Silage	HMC	Alfalfa/ Grass/ Cereal	Corn Silage	Alfalfa	Grass/ Cereals
				Contains fast-acting* *L. buchneri*†	Contains fast-acting* *L. buchneri*†	Contains fast-acting* *L. buchneri*†	Contains *L. buchneri*†	Contains *L. buchneri*†	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 fiber digestibility							X	X	X

For complete definitions and disclaimers related to characteristics ratings, and all other information contained herein, see page 26. Not all products are available in all areas.

optimum AcreMax ABOVE

optimum AcreMax ABOVE BELOW XTreme

QROME

VORCEED Enlist

POWERCORE Enlist REFUGE ADVANCED

optimum AQUAmax

Bovalta BMR

LIBERTY LINK

Roundup Ready CORN 2

AgrisureRW

AgrisureViptera

GRAIN CORN FOOTNOTES

* 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 product 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 2023 harvest and were the latest available at time of printing. Some scores may change after 2024 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 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.

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. **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. **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. **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. **LR** - Contains the LibertyLink® gene and the Roundup Ready® Corn 2 trait. **LL** - Contains the LibertyLink® gene for resistance to Liberty® herbicide. **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.

MARKET SEGMENT: Designations indicate product is also suitable for the following market: **WX** – Waxy; **WH** – White food corn; **YFC** – Yellow food corn; **AQ** – Optimum® AQUAmax® product; **BMR** – Brown MidRib Corn; **BOV** – Bovalta® BMR Corn.

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.

GDUs TO PHYSIOLOGICAL MATURITY: Measures differences in growing degree units (GDUs) required to zero milkline 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 period of susceptibility.

STRESS EMERGENCE: All products are expected to establish normal stands under average soil conditions. Stress emergence is a measure of the genetic ability or potential to emerge in the stressful environmental conditions of cold, wet soils 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.

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.

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.

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

TEST WEIGHT: Higher score indicates heavier test weight.

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

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

GRAIN CORN DISEASE FOOTNOTES

DISEASE PRECAUTION: Grower should balance product yield potential, product maturity and cultural practice selection against their anticipated risk of a specific disease and need for resistance. In high disease-risk conditions, consider planting products with at least moderate resistance ratings of 4 or higher to help reduce risk. When susceptible products with disease ratings of 1 to 3 are planted in conditions of high disease pressure, the grower assumes a higher level of risk. If conditions are severe, even products 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 product monitoring for stalk stability and timely harvest when warranted.

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

GRAY LEAF SPOT PRECAUTION: Avoid planting products with a lower gray leaf spot (GLS) rating in continuous corn fields that have a history of GLS infection, unless tillage operations that bury significant amounts of corn residue and inoculum are practiced.

NORTHERN LEAF BLIGHT CAUTION: In conditions where northern leaf blight (NLB) risk is high, growers should consider planting only products with at least moderate NLB resistance ratings of 4 or higher.

GIBBERELLA EAR ROT CAUTION: Ratings based upon visual symptoms at harvest. If Gibberella ear rot has caused significant damage in the past, growers should consider planting only products with at least moderate Gibberella ear rot ratings of 5 or higher.

TAR SPOT CAUTION: Scores reflect the relative sensitivity of the hybrids evaluated. Products with higher scores pose lower risk of severe disease development. In areas with tar spot pressure, consider using products with higher tar spot ratings. In addition, consider the use of fungicides labeled for use on tar spot when the disease is present. As more evidence is collected, suggested score minimums for high-risk conditions will be developed.

CORN SILAGE FOOTNOTES

~ The minor component of this blend product is not a Brown MidRib Corn hybrid.

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.

FIBER DIGESTIBILITY: Based on 30-hour rumen-fluid based estimate of the percent of ruminally degradable neutral detergent fiber (NDF) as a percent of total NDF in whole-plant samples, predicted by NIRS. Brown MidRib Corn hybrids are designated with "B" since NDFD30 averages 6-8 percentage points higher than non-BMR silage hybrids. To optimize fiber digestibility, growers should consider use of BMR Corn hybrids.

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.

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

Glyphosate Tolerant

Enlist E3 SOYBEANS

plenish

SOYBEAN FOOTNOTES

* All Pioneer products denoted with ™ are brand names.

** Ratings denoted with a double 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 2023 harvest and were the latest available at time of printing. Some scores may change after 2024 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 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.

NUMERIC RATINGS: 9 = Excellent; **1** = Poor; Blank = Insufficient Data or variety not tested for that particular trait.

RELATIVE MATURITY: Shows the relative maturity group rating, with the digits preceding the decimal 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. For example, a soybean product with a relative maturity rating of 1.8 would be a late product in Group 1 maturity.

TECHNOLOGY SEGMENT:

Always follow grain marketing, stewardship practices and pesticide label directions. **Varieties with the Glyphosate Tolerant trait** (including those designated by the letter "R" in the product number) contain genes that confer tolerance to glyphosate herbicides. Glyphosate herbicides will kill crops that are not tolerant to glyphosate.

Varieties with Enlist E3® technology (E3): The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies L.L.C.

Plenish® (P) high oleic soybeans have an enhanced oil profile and are produced and channeled under contract to specific grain markets. Growers should refer to the Pioneer Product Use Guide on www.pioneer.com/us/stewardship for more information.

(-) = Variety does not contain a herbicide resistant gene.

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

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.

BROWN STEM ROT: HT = Highly Tolerant; **MT** = Moderately Tolerant; **MS** = Moderately Susceptible.

WHITE MOLD: 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.

SOYBEAN CYST NEMATODE [SCN]: Resistance to each of the major SCN races is scored on a 1-9 scale. **9** = Excellent resistance; **8-7** = Very good resistance; **6** = Good resistance; **5** = Average resistance; **4** = Below average resistance; **3-2** = Susceptible; **1** = Highly susceptible; to the specific race indicated.

CHARCOAL ROT: A fungal disease that is enhanced by hot and dry conditions, especially during reproductive growth stages. Scores based on Pioneer research observations of the comparative ability to tolerate infection from the charcoal rot pathogen among various soybean products.

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

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

INOCULANT FOOTNOTES

* Rapid React® aerobic stability† technology

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

† Improved aerobic stability and reduced heating is relative to untreated silage. Actual results may vary. The effect of any silage inoculant is dependent upon management at harvest, storage and feedout. Factors such as moisture, maturity, chop length and compaction will determine inoculant efficacy.

IMPORTANT: Information and ratings are based on relative comparisons with other Pioneer® brand forage additives 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 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.

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

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

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

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence 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.

Minnesota

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