

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

Hybrid/Brand***	Hybrid Family	Technology Segment	CRM	Silk CRM	Phy. CRM	GDU's to Silk	GDU's to Phy. Mat.	Grain Drydown	Stalk Strength	Root Strength	Stress Emergence	Staygreen	Drought Tol.	Test Wt.	Plant Ht.	Ear Ht.	Mid-Season Brittle Stalk	Gray Leaf Spot	No. Leaf Blight	Tar Spot	Fus. Ear Rot	Anthr. Stalk Rot	Gibberella Ear Rot	Diplodia Ear Rot
P9880AM	P9880	AM,LL,RR2	98	96	101	1200	2420	4	5	7	5	5	7	5	3	4	6	4	5	5**	5		4	
P0075	P0075		100	103	104	1280	2500	5	6	6	6	5	8	5	5	5	6	5	6	6	4	4	6	4
P0075AM	P0075	AM,LL,RR2	100	103	104	1280	2500	5	6	6	6	5	8	5	5	5	6	5	6	6	4	4	6	4
P0075Q	P0075	Q,LL,R R2	100	103	104	1280	2500	5	6	6	6	5	8	5	5	5	6	5	6	6	4	4	6	4
P0035AM	P0035	AM,LL,RR2	100	99	101	1240	2420	5	5	6	5	7	9	5	6	5	3	4	5	7	3	5	5	4
P0035Q	P0035	Q,LL,R R2	100	99	101	1240	2420	5	5	6	5	7	9	5	6	5	3	4	5	7	3	5	5	4
P0157	P0157		101	102	102	1270	2450	5	5	7	5	4	9	6	4	4	5	4	5	5	5	4	4	5
P0157AM	P0157	AM,LL,RR2	101	102	102	1270	2450	5	5	7	5	4	9	6	4	4	5	4	5	5	5	4	4	5
P03115V *	P03115	V,LL,R R2,EN L	103	102	103	1270	2470	4	4	6	5	5	9	5	6	5	6	4	5	6	4	4	5	5
P0306AM	P0306	AM,LL,RR2	103	101	104	1260	2500	5	6	8	5	6	9	6	3	4	4	4	5	5**	3	4	4	5
P0306Q	P0306	Q,LL,R R2	103	101	104	1260	2500	5	6	8	5	6	9	6	3	4	4	4	5	5**	3	4	4	5
P04922Q *	P04922	Q,LL,R R2	104	101	104	1250	2500	3	7	7	6	5	7	6	6	5	5	4	6	8	4	5	3	3
P0487	P0487		104	103	105	1280	2530	4	5	5	6	5	9	5	7	6	6	5	6	6	4	5	3	5
P0487PCE *	P0487	PW,EN L,RIB	104	103	105	1280	2530	4	5	5	6	5	9	5	7	6	6	5	6	6	4	5	3	5
P0487Q	P0487	Q,LL,R R2	104	103	105	1280	2530	4	5	5	6	5	9	5	7	6	6	5	6	6	4	5	3	5
P04511AM *	P04511	AM,LL,RR2	104	102	101	1270	2420	3	6	6	5	6	7	6	6	5	5	4	5	5	2	7	4	5
P0529Q	P0529	Q,LL,R R2	105	108	106	1340	2550	8	6	6	5	5	6	5	6	6	6	5	6	6**	4	5	5	5
P0506	P0506		105	105	105	1310	2530	7	6	4	5	7	9	5	6	5	6	5	6	6	4	5	5	3

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

Hybrid/Brand***	Hybrid Family	Technology Segment	CRM	Silk CRM	Phy. CRM	GDU's to Silk	GDU's to Phy. Mat.	Grain Drydown	Stalk Strength	Root Strength	Stress Emergence	Staygreen	Drought Tol.	Test Wt.	Plant Ht.	Ear Ht.	Mid-Season Brittle Stalk	Gray Leaf Spot	No. Leaf Blight	Tar Spot	Fus. Ear Rot	Anthr. Stalk Rot	Gibberella Ear Rot	Diplodia Ear Rot
P0506AM	P0506	AM,LL,RR2	105	105	105	1310	2530	7	6	4	5	7	9	5	6	5	6	5	6	6	4	5	5	3
P0688AM	P0688	AM,LL,RR2	106	103	104	1280	2500	5	7	7	5	6	8	5	4	4	6	5	4	5**	4	4	4	4
P06391PCE *	P06391	PW,EN L,RIB	106	111	110	1380	2650	7	6	7	5	6	7	5	6	6	6	5	6	5**	4	5	4	5
P0732Q	P0732	Q,LL,R R2	107	112	111	1390	2680	5	6	6	6	6	6	7	6	6	6	5	5	6	5	6		6
P0720	P0720		107	106	109	1320	2630	5	6	7	5	6	8	7	5	6	4	4	6	7	5	5	4	5
P0720AM	P0720	AM,LL,RR2	107	106	109	1320	2630	5	6	7	5	6	8	7	5	6	4	4	6	7	5	5	4	5
P0720Q	P0720	Q,LL,R R2	107	106	109	1320	2630	5	6	7	5	6	8	7	5	6	4	4	6	7	5	5	4	5
P0720WX	P0720		107	106	109	1320	2630	5	6	7	5	6	8	7	5	6	4	4	6	7	5	5	4	5
P0859AM	P0859	AM,LL,RR2	108	111	111	1380	2680	5	6	6	5	7	7	5	6	6	7	5	5	5	4	5	3	5
P0843	P0843		108	107	111	1330	2680	6	8	5	6	7	8	6	4	6	3	5	6	6**	6	6	4	5
P0843AM	P0843	AM,LL,RR2	108	107	111	1330	2680	6	8	5	6	7	8	6	4	6	3	5	6	6**	6	6	4	5
P0995AM	P0995	AM,LL,RR2	109	109	107	1360	2580	5	5	5	5	6	9	6	6	7	5	5	5	5	3	5		5
P0977AM	P0977	AM,LL,RR2	109	110	108	1370	2600	4	5	5	5	6	7	6	7	7	7	5	5	5	4	4	5	5
P0953AM	P0953	AM,LL,RR2	109	111	113	1380	2730	3	6	6	5	6	6	6	6	5	6	5	6	5	6	6	3	5
P0934WX	P0934		109	108	107	1340	2580	5	7	8	5	8	6	6	6	6	5	5	5		3	5	5	6
P09312V *	P09312	V,LL,R R2,EN L	109	108	114	1340	2760	5	6	6	5	6	8	6	5	5	7	5	6	5	4	5		5
P0924	P0924		109	109	112	1360	2700	5	5	6	6	6	7	7	6	6	6	5	6	6	5	4		4
P0924Q	P0924	Q,LL,R R2	109	109	112	1360	2700	5	5	6	6	6	7	7	6	6	6	5	6	6	5	4		4

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

Hybrid/Brand***	Hybrid Family	Technology Segment	CRM	Silk CRM	Phy. CRM	GDU's to Silk	GDU's to Phy. Mat.	Grain Drydown	Stalk Strength	Root Strength	Stress Emergence	Staygreen	Drought Tol.	Test Wt.	Plant Ht.	Ear Ht.	Mid-Season Brittle Stalk	Gray Leaf Spot	No. Leaf Blight	Tar Spot	Fus. Ear Rot	Anthr. Stalk Rot	Gibberella Ear Rot	Diplodia Ear Rot
P1093	P1093		110	113	112	1400	2700	3	6	8	5	7	7	8	5	4	5	4	6	7**	4	5		6
P10811AM *	P10811	AM,LL,RR2	110	111	114	1380	2760	6	5	4	5	7	6	5	6	6	7	5	6	6**	5	5	4	5
P1077AM	P1077	AM,LL,RR2	110	111	108	1380	2600	5	6	5	5	6	7	7	7	6	6	5	5	5	3	4		5
P10477Q *	P10477	Q,LL,R2	110	112	115	1390	2780	8	6	6	5	6	6	4	6	5	6	5	6	5**	4	5		5
P1197	P1197		111	113	113	1400	2730	7	7	5	5	8	6	5	6	6	5	5	6	6	6	6	5	5
P1197AM	P1197	AM,LL,RR2	111	113	113	1400	2730	7	7	5	5	8	6	5	6	6	5	5	6	6	6	6	5	5
P1197WX	P1197		111	113	113	1400	2730	7	7	5	5	8	6	5	6	6	5	5	6	6	6	6	5	5
P1185	P1185		111	110	113	1370	2730	3	6	7	4	6	7	8	4	5	6	4	6	6**	5	5		4
P1185AM	P1185	AM,LL,RR2	111	110	113	1370	2730	3	6	7	4	6	7	8	4	5	6	4	6	6**	5	5		4
P1185Q	P1185	Q,LL,R2	111	110	113	1370	2730	3	6	7	4	6	7	8	4	5	6	4	6	6**	5	5		4
P1170AM	P1170	AM,LL,RR2	111	110	113	1370	2730	4	6	5	5	6	7	7	5	6	6	5	6	6	5	4		4
P1136AM	P1136	AM,LL,RR2	111	112	111	1390	2680	4	5	6	5	5	6	7	5	5	4	5	5	6**	4	4	6	5
P1120WAM	P1120W	AM,LL,RR2	111	110	113	1370	2730	5	7	5	5	5	5	8	6	6	6	5	5		5	5		5
P1120WQ	P1120W	Q,LL,R2	111	110	113	1370	2730	5	7	5	5	5	5	8	6	6	6	5	5		5	5		5
P1108Q	P1108	Q,LL,R2	111	110	109	1370	2630	7	6	5	6	7	7	5	6	6	6	5	5	6	6	4	4	6
P1278Q	P1278	Q,LL,R2	112	112	114	1390	2760	7	6	6	5	7	6	6	6	6	6	6	4	5**	5	5		6
P1222AM	P1222	AM,LL,RR2	112	114	114	1420	2760	6	6	6	6	7	6	7	6	6	4	5	5	5**	5	5		6
P1383AM	P1383	AM,LL,RR2	113	111	114	1380	2760	6	5	4	6	6	6	6	6	6	7	5	6	5**	5	5		5

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

Hybrid/Brand***	Hybrid Family	Technology Segment	CRM	Silk CRM	Phy. CRM	GDU's to Silk	GDU's to Phy. Mat.	Grain Drydown	Stalk Strength	Root Strength	Stress Emergence	Staygreen	Drought Tol.	Test Wt.	Plant Ht.	Ear Ht.	Mid-Season Brittle Stalk	Gray Leaf Spot	No. Leaf Blight	Tar Spot	Fus. Ear Rot	Anthrax. Stalk Rot	Gibberella Ear Rot	Diplodia Ear Rot
P1380AM	P1380	AM,LL,RR2	113	114	116	1420	2810	7	7	5	5	7	8	6	7	6	6	5	6	7**	4	5		5
P1380Q	P1380	Q,LL,R R2	113	114	116	1420	2810	7	7	5	5	7	8	6	7	6	6	5	6	7**	4	5		5
P13777PCE *	P13777	PW,EN L,RIB	113	112	110	1390	2650	5	6	6	5	6	7	6	6	5	6	5	5	6**	4	4		5
P13777V *	P13777	V,LL,R R2,EN L	113	112	110	1390	2650	5	6	6	5	6	7	6	6	5	6	5	5	6**	4	4		5
P1359AM	P1359	AM,LL,RR2	113	113	114	1400	2760	8	7	6	6	8	6	6	6	6	6	5	5	5**	5	6		5
P13544V *	P13544	V,LL,R R2,EN L	113	112	111	1390	2690	5	6	7	5	5	8	6	6	5	7	5	6	5**	4	5		5
P13131W *	P13131 W		113	113	114	1400	2760	5	6	6	6	6	6	8	6	6	5	5	5		5	4		6
P1309WAM	P1309 W	AM,LL,RR2	113	110	112	1370	2700	4	8	7	5	8	6	8	6	6	7	5	6		4	6		5
P1306W	P1306 W		113	111	116	1380	2810	5	8	8	5	7	6	6	7	4	6	6	6		7	4		6
P14830AML *	P14830	AML,L,RR2	114	112	112	1390	2700	6	6	6	5	6	6	5	5	6	5	4	6	5**	5	4		5
P14830Q *	P14830	Q,LL,R R2	114	112	112	1390	2700	6	6	6	5	6	6	5	5	6	5	4	6	5**	5	4		5
P1457WAM	P1457 W	AM,LL,RR2	114	114	115	1410	2770	5	6	5	5	5	6	8	7	5	5	5	5		4	4		5
P1408WAM	P1408 W	AM,LL,RR2	114	114	113	1420	2730	5	6	7	5	5	6	7	6	6	6	5	5		5	5		5
P1587Q	P1587	Q,LL,R R2	115	113	114	1400	2760	8	7	4	6	7	7	7	6	6	6	5	7	6**	3	5		6
P15784AM *	P15784	AM,LL,RR2	115	116	112	1440	2700	5	6	6	5	6	8	7	5	5	6	5	6		4	5		5
P1618W	P1618 W		116	115	115	1430	2780	8	8	7	4	8	6	7	9	8	5	5	6		5	5		5

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

Hybrid/Brand***	Hybrid Family	Technology Segment	CRM	Silk CRM	Phy. CRM	GDUs to Silk	GDUs to Phy. Mat.	Grain Drydown	Stalk Strength	Root Strength	Stress Emergence	Staygreen	Drought Tol.	Test Wt.	Plant Ht.	Ear Ht.	Mid-Season Brittle Stalk	Gray Leaf Spot	No. Leaf Blight	Tar Spot	Fus. Ear Rot	Anthr. Stalk Rot	Gibberella Ear Rot	Diplodia Ear Rot
P1618WAM	P1618W	AM,LL,RR2	116	115	115	1430	2780	8	8	7	4	8	6	7	9	8	5	5	6		5	5		5
P1608AM	P1608	AM,LL,RR2	116	117	116	1450	2810	6	6	7	6	7	6	7	6	6	5	5	6		6	4		4
P1790W	P1790W		117	119	118	1480	2860	6	6	6	5	6	7	8	7	6	6	5	6		4	5		4
P1742PCE *	P1742	PW,ENL,RIB	117	115	117	1430	2830	6	6	5	5	6	7	4	6	6	6	5	4	6**	3	4		5
P1742Q	P1742	Q,LL,R2	117	115	117	1430	2830	6	6	5	5	6	7	4	6	6	6	5	4	6**	3	4		5
P1718AML	P1718	AML,L,RR2	117	117	116	1450	2810	6	6	5	4	5	5	6	7	6	6	5	4	5**	5	4		5
P1847AML	P1847	AML,L,RR2	118	112	115	1390	2780	7	5	5	4	7	7	7	7	5	5	5	5	6**	4	4		5
P2089AML	P2088	AML,L,RR2	120	117	120	1450	2910	7	8	4	4	8	6	6	8	6	7	6	5		4	5		5

\* Introductory product. Quantities may be limited.

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

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

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

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](http://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.

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

**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.

**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 Liberty® 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.

®Roundup and Roundup Ready are registered trademarks of Bayer Group.

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

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

Agrisure® and Agrisure Viptera® are registered trademarks of, and used under license from, a Syngenta Group Company. Mirl62 is part of Agrisure Viptera® and is a registered trademark of Syngenta Agro SA. Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG.

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 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/](http://epa.gov/espp/), call 1-844-447-3813, or email [ESPP@epa.gov](mailto: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](http://www.traitstewardship.com).

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 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 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.

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.

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 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.

## Disease and Pest Resistance Ratings of Pioneer® brand Corn Products for 2024-25\*\*

TEST WEIGHT: Higher score indicates heavier test weight.

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

EAR HEIGHT: 9 = High; 1 = Low.

MID-SEASON BRITTLE STALK: Ratings determined by frequency and severity of stalk snapping 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 snapping 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.

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.

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.

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

DIPLODIA EAR ROT CAUTION: Ratings based upon visual symptoms at harvest. If Diplodia ear rot has caused significant damage in the past, growers should consider planting only products with a Diplodia ear rot rating of 4 or higher.