

# PIONEER® 2 2 4

What's next happens here.

# Our name is our mission. IMPACT™ Trials





At Pioneer, trailblazing is in our DNA. Among the first in the industry to harness the power of plant genetics, we transformed agriculture.

Today, we combine elite genetics, advanced breeding technology, and on-farm testing to develop some of the industry's highest-yielding seed products. Our boots on the ground — more than 2,200 sales representatives and 160+ agronomists strategically located across the U.S. — ensure your local challenges are addressed in our product development. And with more than 17,500 on-farm trials annually, you can trust that if it's in a Pioneer bag, it works in real growing conditions. What's next happens here.





P1138amt" HTF,HES 111 111 2730 7 5 6 5 6 5 6 6 4 7 7 4 4 6 3 4 6 5  P1151am" AQ,HAE,HTF 111 106 2580 9 4 7 5 7 6 6 6 6 5 4 4 5 6 4 4 4 5  NEW P1164am" HTF,HES 111 114 2730 7 6 6 6 6 7 7 6 4 6 6 6 5 5 7 4 5 5 6  NEW P1170am" HTF 111 110 2730 7 5 6 6 5 6 7 4 7 5 6 5 6 5 6 5 4 4 5 5 6 4 4 5 6  NEW P1170am" HTF 111 110 2730 7 5 6 6 5 6 7 4 7 5 6 5 6 5 6 5 4 4 5 5 6  P1185am" HTF 111 110 2730 7 4 6 6 7 6 8 3 6 4 5 4 6 5 5 5 5 5 4 6 6 5 6 7 4 7 7 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8	5 4 6 5 6 5 4 6** 6**
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№ P0995ah**         AQ,HTF         109         109         2580         9         5         5         5         6         6         5         6         6         7         5         5         7         5         5         3         5           NEW P1027am**         HTF         110         109         2760         6         5         6         6         6         6         5         6         6         5         6         6         5         6         6         5         6         6         5         6         6         5         6         6         5         6         6         6         5         8         3         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         7         7         7         4         4         5         4         6         9           P1138am**         HTF,HES         111         110         2730         7         5         6         5         6         6         4         7         7         4         5         6         5         8	5 6 5 4 6** 6**
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P1077AM" HTF 110 111 2600 7 5 6 6 6 5 6 7 5 7 7 6 5 5 5 3 4 3 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 4 6** 6**
● P1089Am*         AQ,YFC         110         109         2630         9         6         6         4         5         8         3         6         7         7         5         4         6         7         7         4         4         6         3         4         6         5           P1135Am*         AQ,HAE,HTF         111         106         2580         9         4         7         5         7         6         6         6         5         4         4         5         6         7         7         6         6         6         7         7         6         6         6         7         7         6         6         6         7         7         6         6         6         7         7         6         6         6         7         7<	4 6** 6**
■ NEW P1122AML"         AQ,HTF         111         110         2700         9         5         5         6         6         6         6         6         6         7         7         4         5         4         6           P1138AML"         HTF,HES         111         110         2730         7         5         6         5         6         6         4         7         7         4         4         6         3         4         6         5           P1151AM"         AQ,HAE,HTF         111         110         2730         7         6         6         6         7         7         6         6         6         6         5         5         7         4         5         6         4         4         5         6         4         4         5         6         4         4         5         6         5         6         6         6         6         6         6         6         6         6         6         6         6         7         7         6         6         6         5         5         7         7         6         6         6         5	6** 6**
P1138amt." HTF,HES 111 111 2730 7 5 6 5 6 5 6 6 6 4 7 7 4 4 6 3 4 6 5  P1151am" AQ,HAE,HTF 111 106 2580 9 4 7 5 7 6 6 6 6 5 4 4 5 6 4 4 4 5  NEW P1164am" HTF,HES 111 114 2730 7 6 6 6 6 7 7 6 4 6 6 5 5 7 4 5 5 6  NEW P1170am" HTF 111 110 2730 7 5 6 6 5 6 7 4 7 5 6 5 6 5 6 5 4 4 5 6 4 4 5 6  NEW P1170am" HTF 111 110 2730 7 5 6 6 5 6 7 4 7 5 6 5 6 5 6 5 4 4 5 5 6  P1185am" HTF 111 110 2730 7 4 6 6 6 7 6 8 3 6 4 5 4 6 5 5 5 5 5 4  P1197am" HTF,HES 111 113 2730 6 5 5 7 5 8 5 7 6 6 6 5 6 6 4 6 5 5 5 5 5 4  P1127am" HTF,HES 111 113 2730 6 5 6 6 7 7 6 6 6 6 5 6 6 4 6 5 5 6 6 7 6 7 6 7 6 7 6 7 6 7 7 6 7 7 6 7	6**
⊕ P1151am"         AQ,HAE,HTF         111         106         2580         9         4         7         5         7         6         6         6         5         4         4         5         6         4         4         4         5         6         4         4         4         5         6         6         6         6         6         6         6         6         6         7         7         6         4         6         6         5         5         7         4         5         5         6           NEW P1170am"         HTF         111         110         2730         7         4         6         6         7         4         7         5         6         5         6         7         4         6         6         7         6         8         3         6         4         5         4         6         5         5         7         5         8         5         7         6         6         6         5         5         7         5         8         5         7         6         6         6         5         5         5         5         5	
NEW P1164am™ HTF,HES 111 114 2730 7 6 6 6 7 7 6 4 6 6 5 5 7 4 5 5 6  NEW P1170am™ HTF 111 110 2730 7 5 6 6 5 5 6 7 4 7 5 6 5 6 5 6 5 4 4 5 4  P1185am™ HTF 111 110 2730 7 4 6 6 7 6 8 3 6 4 5 4 6 5 5 5 5 5 4  P1197am™ HTF,HES 111 113 2730 6 5 5 7 5 8 5 7 6 6 6 5 6 6 5 6 6 6 5  P1237am™ HTF,HES 111 113 2730 6 5 5 7 5 8 5 7 6 6 6 6 7 5 5 6 6 6 4 6 5 5 5 5 5 4  P1244am™ AQ,HAE 112 108 2600 9 5 6 6 6 7 7 6 7 5 5 5 4 5 6 6 4 4 5 5 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	5**
NEW P1170am**         HTF         111         110         2730         7         5         6         6         5         6         7         4         7         5         6         5         4         4         5         4           P1185am**         HTF         111         110         2730         7         4         6         6         7         6         8         3         6         4         5	
P1185am™ HTF 111 110 2730 7 4 6 6 7 6 8 3 6 4 5 4 6 5 5 5 5 5 4 P1197am™ HTF,HES 111 113 2730 6 5 5 7 5 8 5 7 6 6 6 6 5 6 6 4 6 6 5 9 9 5 6 6 7 7 7 6 6 6 6 7 7 5 5 5 4 6 4 5 5 2 6 9 9 1244am™ AQ,HAE 112 113 2760 6 5 6 6 7 6 7 6 7 6 7 6 7 6 6 6 5 7 5 5 5 6 4 6 7 5 5 5 6 9 9 1359am™ HTF,HES 113 113 2760 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	5**
P1197Am™         HTF,HES         111         113         2730         6         5         5         7         5         8         5         7         6         6         6         6         4         6         6         5           P1237am™         112         115         2780         6         5         6         6         7         7         6         6         6         7         5         5         4         6         4         5         2         6           P1246am™         AQ,HAE         112         108         2600         9         5         6         6         7         6         7         5         5         5         4         6         4         4         5         5           P1278g™         HTF,HES         112         112         2760         6         5         6         6         7         6         7         6         6         6         7         5         5         5         5         5         6         7         6         6         7         5         5         5         5         5         5         6         7         6         8	6
P1237Am™ AQ,HAE 112 115 2780 6 5 6 6 7 7 7 6 6 6 6 7 5 5 5 4 6 4 5 2 6  P1244Am™ AQ,HAE 112 108 2600 9 5 6 6 7 6 7 5 5 5 5 4 5 6 4 4 5 5  P1278am™ HTF,HES 112 112 2760 6 5 6 6 6 7 6 7 6 7 6 6 6 6 7 6 7 5 5 5 5	6**
P1244Am™ AQ,HAE 112 108 2600 9 5 6 6 7 6 7 5 5 5 4 5 6 4 4 5 5 5 P1278g™ HTF,HES 112 112 2760 6 5 6 6 6 7 6 7 6 7 6 6 6 6 4 6 5 5 5 6 6 P1289am™ HTF,HES 112 113 2760 6 6 5 6 5 6 7 6 7 6 7 6 6 5 6 7 5 5 5 6 P1359am™ HTF,HES 113 113 2760 6 6 6 7 6 8 6 8 8 8 6 6 5 5 6 7 5 5 6 P1366am™ HTF,HES 113 111 2760 6 4 7 5 7 7 5 5 6 5 7 4 6 6 6 4 5 4 5 4 5 € NEW P1413am™ AQ,HTF 114 108 2680 9 5 6 6 4 6 5 5 6 6 5 6 7 6 6 6 5 5 5 6 7 4 5 4 6 € P1464am™ HTF 114 115 2630 7 5 5 5 6 6 6 6 6 6 6 6 7 6 6 6 6 6 6 6	6
P1278a™ HTF,HES 112 112 2760 6 5 6 6 6 6 7 6 7 6 6 6 6 6 4 6 5 5 5 5 6 P1289am™ HTF,HES 112 113 2760 6 6 5 6 5 6 7 6 7 6 7 6 6 5 6 7 5 5 5 6 P1359am™ HTF,HES 113 113 2760 6 6 6 7 6 8 6 8 8 8 6 6 5 5 6 7 5 5 5 6 P1366amL™ HTF 113 111 2760 6 4 7 5 7 7 5 5 5 6 5 7 4 6 6 6 4 5 4 5 4 5 € NEW P1413am™ AQ,HTF 114 108 2680 9 5 6 6 4 6 7 6 6 6 6 8 5 5 5 6 7 4 5 4 6 € NEW P1511am™ YFC,HTF 115 114 2830 5 5 5 5 6 5 6 7 6 6 6 6 7 6 6 6 6 7 6 6 6 6	4
P1289am™         HTF,HES         112         113         2760         6         5         6         7         6         7         6         5         6         7         5         5         5         6           P1359am™         HTF,HES         113         113         2760         6         6         7         6         8         8         6         6         5         5         6         4         6         5         5         6         4         6         5         5         5         6         7         4         6         6         4         5         7         7         5         5         6         5         7         4         6         6         4         5           P1464amI™         AQ,HTF         114         108         2680         9         5         6         6         4         6         5         5         5         5         5         5         6         6         7         4         6         6         4         5         4         6           P1464amI™         HTF         114         115         2630         7         5	5
P1359AM™ HTF,HES 113 113 2760 6 6 6 6 7 6 8 6 8 8 6 6 5 5 6 4 6 5 5 5 6 4 5 5 5 6 9 7 9 1366AML™ HTF 113 111 2760 6 4 7 5 7 7 5 5 6 5 7 4 6 6 6 4 5 4 5 9 14 6 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14 6 6 9 14	5**
P1366amL™       HTF       113       111       2760       6       4       7       5       7       7       5       5       6       5       7       4       6       6       4       5       4       5         A© NEW P1413am™       AQ,HTF       114       108       2680       9       5       6       6       4       6       5       5       5       6       7       4       5       4       6         P1464am™       HTF       114       115       2630       7       5       5       4       6       7       6       6       6       8       5       3       6       3       4       6       6         NEW P1511am™       YFC,HTF       115       114       2830       5       5       5       6       5       6       6       7       6       6       5       5       5       4       4       6       5         A© P1548am™       AQ,HES,HTF       115       112       2650       9       5       6       5       6       7       6       6       5       6       5       4       7       4       5       4	5**
№ P1413am™       AQ,HTF       114       108       2680       9       5       6       6       4       6       5       6       6       5       5       5       5       6       7       4       5       4       6         P1464amL™       HTF       114       115       2630       7       5       5       4       6       7       6       6       6       8       5       3       6       3       4       6       6         NEW P1511am™       YFC,HTF       115       114       2830       5       5       5       6       5       6       6       7       6       6       5       5       5       5       4       4       6       5         NEW P1511am™       YFC,HTF       115       114       2830       5       5       5       6       5       6       7       6       6       7       6       6       5       5       5       4       4       6       5         AQ,HES,HTF       115       112       2650       9       5       6       5       6       7       6       5       5       6       6 <th>5**</th>	5**
P1464aml™       HTF       114       115       2630       7       5       5       4       6       7       6       6       6       6       8       5       3       6       3       4       6       6         NEW P1511am™       YFC,HTF       115       114       2830       5       5       5       5       6       5       6       7       6       6       7       6       6       5       5       5       4       4       6       5         A© P1548am™       AQ,HES,HTF       115       112       2650       9       5       6       5       6       7       6       5       5       6       6       5       4       7       4       5       4       4	6
NEW P1511am™       YFC,HTF       115       114       2830       5       5       5       6       5       6       7       6       6       5       5       5       4       4       6       5         A© P1548am™       AQ,HES,HTF       115       112       2650       9       5       6       5       6       7       6       5       5       6       5       4       7       4       5       4       4	5**
AQ,HES,HTF 115 112 2650 9 5 6 5 6 7 6 5 5 6 6 5 4 7 4 5 4 4	5**
<b>P1563</b> am™ HTF,HES 115 117 2830 6 5 7 6 6 7 6 8 6 6 7 4 6 7 4 4 4 6	6**
	6**
P1572am™ HTF 115 117 2760 6 5 7 6 5 8 5 7 8 6 6 4 4 7 4 4 5 5	6**
NEW P1608am™ YFC,HTF 116 117 2810 6 6 5 6 7 7 7 6 6 6 6 5 6 5 5 4 6 4	
NEW P1633am™ HAE,HTF 116 120 2940 7 6 6 7 6 7 6 8 6 7 6 5 5 7 5 5 6	6**
P1718aml™ HTF 117 117 2810 5 4 6 6 5 5 6 6 7 7 6 5 4 6 5 5 5	5**
NEW P1742Q™ HTF 117 115 2830 7 5 6 6 6 6 6 6 7 6 6 5 4 7 4 4 3 5	6**
	5**
P1847 <sub>AML™</sub> YFC,HTF 118 112 2780 7 4 5 5 5 7 7 7 5 5 5 6 4 4 4 5 5	6**
P2042aml™ YFC,HTF 120 116 2860 7 4 7 7 6 4 7 4 6 6 6 5 4 7 4 4 5 5	
P2089 <sub>AML™</sub> HTF 120 117 2910 6 4 7 8 4 8 6 7 8 8 6 6 5 7 4 5 4 5	

### **CROP PROTECTION SOLUTIONS**

### Resicore® XL

### HERBICIDE

- New premium herbicide providing a versatile application window for preplant, preemergence and postemergence up to 24-inch tall corn
- Delivers proven, powerful weed control of 75+ broadleaves and grasses including Palmer amaranth, waterhemp, marestail and giant ragweed
- Features encapsulated technology for increased crop safety and tank-mix compatibility

### Kyro<sup>®</sup>

### HERBICIDE

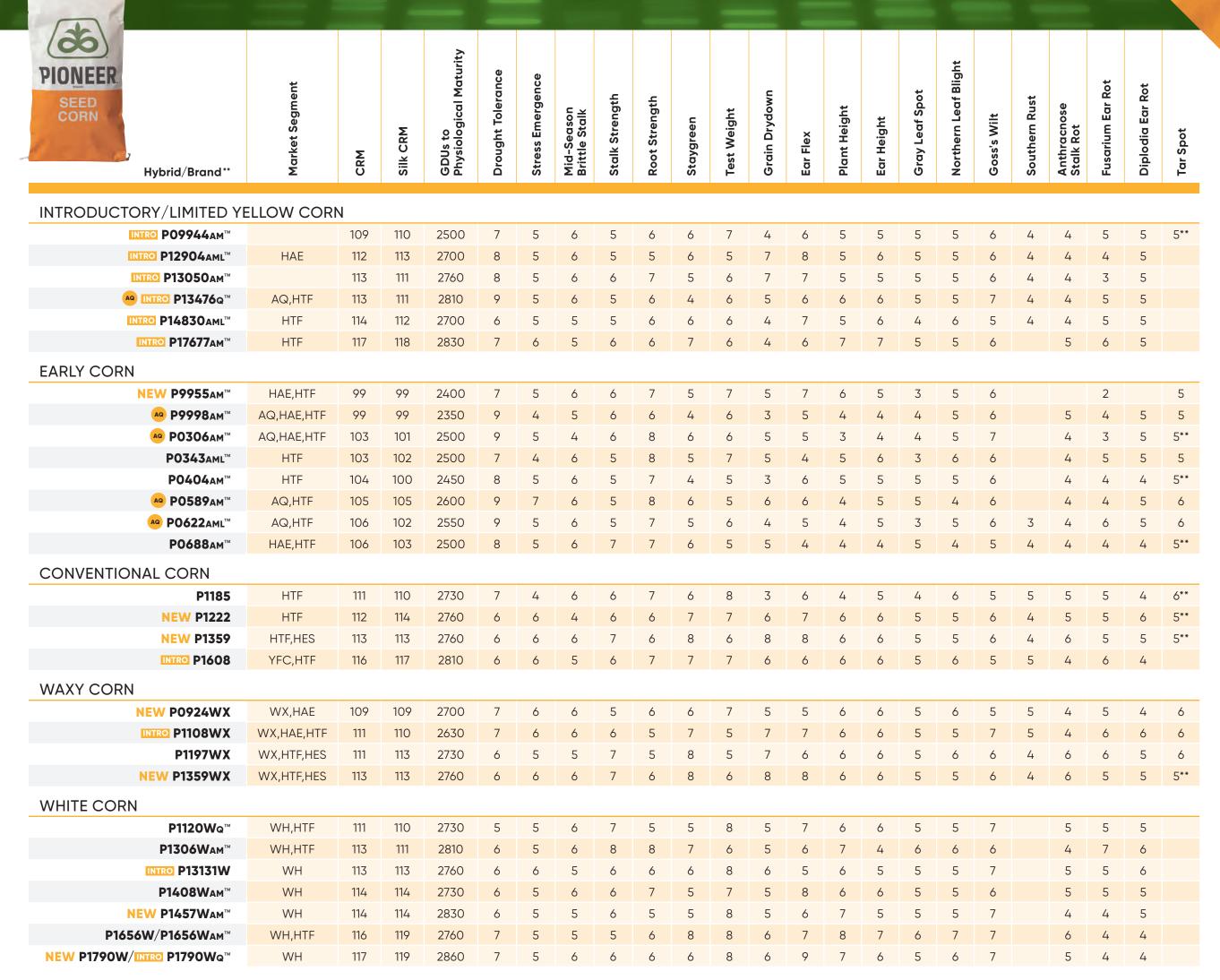
- Three proven modes of action in a single premix for both postemergence and residual control of 65+ of the toughest broadleaf and grass weeds
- The strong in-season postemergence activity and residual complements farmers' existing preemergence corn herbicides, making Kyro™a perfect fit into a two-pass program approach
- New novel formulation featuring encapsulated acetochlor delivers excellent crop safety and less crop response for healthier corn and higher yield potential

# FulTime® NXT

### HERBICIDE

- Offers superior crop safety while providing residual control of foxtail, black nightshade, waterhemp and other problem weeds
- Control tough grasses and broadleaf weeds in no-till, reduced tillage and heavy residue environments
- Powered by two modes of action

FulTime® NXT is a Restricted Use Pesticide.



### **CROP PROTECTION SOLUTIONS**

### **Keystone**® NXT

- Consistent control of a wide-spectrum of grasses and small-seeded broadleaf weeds
- Can be applied alone or tank mixed with many pre- and postemergence corn herbicides
- Powered by two modes of action and needs only 1/4 inch of rain for activation

Keystone® NXT is a Restricted Use Pesticide.

### **N-Serve**®

Optinyte<sup>™</sup>technology

### **NITROGEN STABILIZER**

- N-Serve® nitrogen stabilizer powered by Optinyte® technology is proven by more than a 1,000 field trials and university research to maximize yield and profit potential
- For use with anhydrous ammonia applications
- Extends nitrogen availability in the soil for up to 8 weeks, keeping the ammonium form of nitrogen available during critical growth stages
- Works below ground, where up to 70% of nitrogen loss can occur through leaching into the ground and denitrification into the atmosphere

# Aproach® Prima

Onmira active

### **FUNGICIDE**

- Contains multiple active ingredients to effectively stop disease pathogens and prevent the spread of hard-to-control foliar diseases in row crops
- Delivers broad-spectrum, long-lasting control of diseases like tar spot and gray leaf spot even under heavy disease pressure
- Promotes plant growth under stressful conditions to maximize yield

PIONEER			% '.		Protein					ø			le Stalk					ght			Stalk Rot
SEED CORN	ge CRM	ige Yield	rch and Sugar,	er Digestibility	Crude	if Per Acre	if Per Ton	r Per Acre	r Per Ton	Drought Tolerance	lk Strength	t Strength	-Season Brittle	Plant Height	Height	nt Staygreen	ıy Leaf Spot	Northern Leaf Blight	oss's Wilt	Southern Rust	Anthracnose Sta
Hybrid/Brand**	Silage	Silage	Starch	Fiber	Silage	Beef	Beef	Milk	Μij	Dro	Stalk	Root	Σ	Pla	Ear	Plant	Gray	Nor	Ö	Sou	Ant
Ф Р0995ам™	107	7	8	7	7	7	7	7	7	9	5	5	5	6	7	6	5	5	7	5	5
P0924 <b></b> g™	108	8	8	9	8	8	9	8	9	7	5	6	6	6	6	6	5	6	5	5	4
<b>№ P1244</b> AM <sup>™</sup>	108	7	8	9	6	7	8	7	8	9	6	7	6	5	5	6	4	5	6	4	4
P1185am™	109	8	9	9	8	8	9	8	9	7	6	7	6	4	5	6	4	6	5	5	5
P1289am™	109	7	7	8	7	7	7	7	7	6	6	5	5	6	6	6	5	6	7	5	5
NEW P1027 <sub>AM™</sub>	110	8	8	9	7	8	7	8	7	6	6	6	6	6	6	6	5	6	5	4	4
P1077am™	110	9	8	6	6	8	7	8	7	7	6	5	6	7	6	6	5	5	5	3	4
INTRO P13476Q™	110	8	7	8	6	9	7	9	8	9	5	6	6	6	6	4	5	5	7	4	4
NEW P0859am™	111	8	7	7	6	8	7	8	7	7	6	6	7	6	6	7	5	5	7	4	5
P0908aml™	111	8	8	7	7	8	7	8	7	6	5	6	6	6	6	5	5	4	7	4	4
Ao P1089am™	111	8	8	8	7	8	8	8	8	9	6	4	6	6	6	5	6	6	6	5	6
NEW P1122AML™	112	7	7	6	7	8	7	7	7	9	6	6	5	6	7	6	5	6	7	4	5
NEW P1164AM™	112	8	/	6	6	8	6	8	/	/	6	/	6	6	6	/	5	5	/	4	5
NEW P1170am™	112	8	7	8	7	9	7	8	8	7	6	5	6	5	6	6	5	6	5	4	4
INTRO P12904AML™	112	8	7	8	7	8	7	/	/	8	5	5	6	5	6	6	5	5	6	4	4
INTRO P13050AM™	112	8	,	8	7	8	7	8	7	8	6	/	6	5	5	5	5	5	6	4	4
P1464aml™ ••• P1548am™	112	9	8	8	8	9	8	9	8	7	4	6	5	6	8	,	5	3	6	3	4
INTRO P09944am™	112 113	8	8	8	,	8	8 7	8	8	9 7	5	6	6	6	6	7	5	4	/ 	4	5
NEW P1413am™	113	8	8	8	8	8	7	8	7	9	5	6	6	5	5	6	5 5	5	6	4	5
NEW P1511am™	113	8	7	7	7	8	7	8	7	5	5	6	5	6	6	5	5	5	5	4	4
P1563am™	113	6	6	7	7	7	8	7	8	6	6	6	7	6	7	7	4	6	7	4	4
P1718aml™	113	9	8	8	7	9	7	9	7	5	6	5	6	7	6	5	5	4	6	5	4
P1278q™	114	8	7	8	7	9	7	9	7	6	6	6	6	6	6	7	6	4	6	5	5
P1366aml™	114	7	8	8	9	7	9	7	9	6	5	7	7	5	7	7	4	6	6	4	5
INTRO P14830AML™	114	9	8	8	6	8	7	8	8	6	5	6	5	5	6	6	4	6	5	4	4
P1572am™	114	8	7	9	7	8	8	8	8	6	6	5	7	6	6	8	4	4	7	4	4
P1828am <sup>™</sup> /P1828q <sup>™</sup>	114	8	8	7	8	8	6	8	6	8	8	5	5	8	8	8	4	4	6	4	5
P1847 <sub>AML™</sub>	115	7	8	8	7	8	7	8	7	7	5	5	5	7	5	7	5	5	6	4	4
P1237am™	116	8	7	7	7	8	7	8	7	6	6	7	6	7	5	7	5	4	6	4	5
P1359am™	116	8	7	6	8	8	7	8	7	6	7	6	6	6	6	8	5	5	6	4	6
NEW P1633am™	116	8	6	7	7	7	6	7	7	7	7	6	6	7	6	7	5	5	7	5	5
<b>P2089</b> aml <sup>™</sup>	116	9	8	9	7	8	8	8	8	6	8	4	7	8	6	8	6	5	7	4	5
<b>P2042</b> AML <sup>™</sup>	117	8	7	8	7	9	7	9	8	7	7	6	7	6	6	4	5	4	7	4	4
NEW P1608am™	118	8	7	8	8	8	7	8	7	6	6	7	5	6	6	7	5	6	5	5	4
NEW P1742 <b>q</b> ™	118	8	7	6	6	8	6	8	7	7	6	6	6	6	6	6	5	4	7	4	4
INTRO P17677AM™	119	9	7	8	7	9	6	8	7	7	6	6	5	7	7	7	5	5	6		5
NEW - NEW																					

### **LUMIGEN® SEED TREATMENTS**

### For Pioneer® Brand Corn

### PREMIUM PACKAGE

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

- This fungicide seed treatment is the most robust available in the industry, providing enhanced protection against resistant Pythium species and a new active ingredient against Rhizoctonia (inpyrfluxam) 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						

### 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.

PROTECTION Insects: Corn Rootworm

Wireworm White grub

Black cutworm

Bill bug<sup>†</sup> And more..

Seedcorn maggot

**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



in high nematode pressure

in low nematode pressure

**3.7**<sub>bu/a</sub>

ADVANTAGE!

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



Untreated

**LumiGEN®** seed treatments

FUNGICIDE SEED TREATMENT

**Lumiscend**<sup>™</sup>Pro **Lumiderm** Lumisena<sup>®</sup> **Lumisure**®

**ILEVO® HL** Seed Treatment

**SEED TREATMENT** 

Lumia|za<sup>\*\*</sup>

Pending state registration

**LumiTreo** 

† Early-season suppression only Lumialza® nematicide seed treatment vs. r

nnology 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.

<sup>2</sup> Data is based on 638 head-to-head comparisons between Lumisena funcicide seed treatment (0.568 fl oz/cwt) and metataxyl (0.75 fl oz/cwt) cwt) in the top 10 soybean-producing states through Dec. 12, 2017, and subsequent replicated trials in 2018, 2019 and 2020. Comparisons

Lumivia<sup>®</sup>

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.

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

4 Data based on Corteva Agriscience research data 2019-2021 82 locations

<sup>5</sup> Significant yield improvement and reduction in plant stand gaps based on Corteva Agriscience research data 2018-2019, 73 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

Our powerful combination of 5 different modes of action enhanced by LumiTreo™ fungicide seed treatment leads the industry in yield protection against early-season diseases.

- LumiTreo<sup>™</sup> offers best in class protection against the number one early-season disease in soybeans, Phytophthora
- 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

INSECTICIDE PACKAGE

thrips, and wireworm

seedcorn maggot

compared to Imidacloprid alone<sup>4</sup>

and vigor compared to Imidacloprid<sup>5</sup>

**EARLY-SEASON** Insects: Bean leaf beetle

PREMIUM PACKAGE

Broader than "FST alone" for pest protection, including early

drive higher yields on their soybean acres

• For growers who are aggressively investing in tools and practices to

seedcorn maggot, bean leaf beetle, cutworms\*, white grubs, aphids,

Lumiderm provides broad spectrum insect protection including

■ Paired with Imidacloprid seed treatment, Lumiderm provides a

second mode of action against bean leaf beetle, aphids and

■ Provides a statistically significant improvement in plant stands

■ 1 to 3 bu/A advantage when Lumiderm is paired with Imidacloprid

Early season aphid

Seedcorn maggot

Pythium

Rhizoctonia Phomopsis

**Fusarium** 

### LumiTreo™ backed by Lumisena

**FUNGICIDE SEED TREATMENT** 

**INSECTICIDE SEED TREATMENTS** 

LumiTreo™

Imidacloprid

Lumiderm®

Sebring® metalaxyl

L-2030 G biofungicide

Best-in-class protection against Phytophthora



in high stress

1.0 bu/a ADVANTAGE<sup>2</sup>

PREMIUM INSECTICIDE

**PACKAGE** 

**PACKAGE** 

environments vs. high rate metalaxyl

benefit across the farm vs. high rate metalaxyl

### **Seedcorn Maggot Pressure**



Lumiderm®+ **Imidacloprid** seed treatment

**Imidacloprid** seed treatment

# OPTION TO ADD TO ANY PACKAGE

### **ADD ILEVO® HL SEED TREATMENT**

**PROTECTION** 

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 treatment³**

Cutworms

White arub

Wireworm **Thrips** 

SDS/SCN rate Heavy SDS pressure +6.4 bu/a SCN rate **+1,5** 

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