

HYBRID

A GRONOMY FORUM

WINTER 2021

1800 AG LINE 1 | www.TheRightSeed.com

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KEY PRODUCTS WITH REGIONAL PERFORMANCE PROTECT YOUR SOYBEAN SEED INVESTMENT AGAINST PHYTOPHTHORA

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WHY CHOOSE HOEGEMEYER ENLIST E3° SOYBEANS

PERFORMANCE

The introduction of Enlist E3® soybeans was successful because the products performed in the field. Yield levels are comparable to other soybean trait platforms. XtendFlex® soybeans have limited performance data and it's possible the performance will lag compared to established Xtend varieties. E3 soybean performance will continue to gain as new varieties are developed over the coming years. Hoegemeyer is in a great position with our current soybean lineup of Enlist E3 soybeans.

HERBICIDE FLEXIBILITY

Enlist E3 soybeans are tolerant to glyphosate, glufosinate, and 2,4-D choline herbicides. When combined with a pre-emerge herbicide that provides some residual activity, this offers up to four modes of action for the control of tough weeds. Control of glyphosate resistant weeds demands a comprehensive approach and E3 soybeans with Enlist herbicides are the best tool available to soybean growers. Dicamba use on Xtend® and XtendFlex® (adds glufosinate tolerance) soybeans is an effective tool. However, the label is more restrictive than in previous growing seasons and it will be difficult to apply dicamba in a safe and timely manner. The application window is extremely narrow when compared to the Enlist herbicide system.

TANK MIX FLEXIBILITY & CONVENIENCE

Enlist One® features 2,4-D choline and is the best choice for tank mix flexibility. Enlist Duo® is a premix with glyphosate for convenience. See enlisttankmix.com for more detailed information on the options available with these herbicides.





MIKE CARR Soybean Product Lead

ENLIST HERBICIDES					
Crop Stage	Through R2 growth stage, no calendar date cutoff				
Tank Mix With Glufosinate (Liberty)?	Yes, Liberty approved for tank mix with Enlist One				
Susceptible Crops - Soybeans	Ok to spray when non-E3 soybeans are downwind				
Sensitive Areas	30 foot buffer required for sensitive areas				
Time of Day Limitations?	None				
IN CROP DICAMBA HERBICIDES					
Crop Stage	No later than R1 growth stage, June 30 national cutoff				
Tank Mix With Glufosinate (Liberty)?	No, tank mix with Liberty prohibited				
Susceptible Crops - Soybeans	Do not spray when non-dicamba tolerant soybeans are downwind				
Sensitive Areas	240 foot buffer up to 310 feet for endangered species bulletin areas				
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The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies L.L.C. Enlist Duo® and Enlist One® 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 Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions.

PROVEN LOCALLY. OUR CORN RESULTS SAY IT ALL.

THE RIGHT SEED had a chart-topping year across the Western Corn Belt in more than 300 grower test plots, F.I.R.S.T. and third-party trials. The proof is in the numbers.





8531 Q™246 bu/a
Garden City, KS

SEE HOW HOEGEMEYER BRAND PRODUCTS
PERFORMED IN YOUR AREA, VISIT
THERIGHTSEED.COM



CORN PERFORMANCE HIGHLIGHTS



6813 AM™ | 98RM

- » Finished 4th out of 27 at the SDSU IGROW replicated plot at Reliance, South Dakota.
- » Excellent drought tolerance with good ear flex.

6850 AM™ | 98RM

- » Plot Winner at Colton, SD at 227.5 bu/a.
- » Dependable hybrid with good standability.

7209 AM™ / 7211 Q™ | 102RM

- » 7211 Q[™] was the Plot Winner at a dryland location in Curtis, Nebraska.
- » "Field winning" genetics with good ear flex, strong stalks, and excellent staygreen.

7224 AM™ | 102RM

- » Plot Winner under drought stress at Cylinder, Iowa, beating out 17 other entries (13 competitor) at 203.2 bu/a.
- » Out-yielded DeKalb brand DKC50-08RIB by 5.7 bu/a across 13 locations in multiple years of testing.
- » Performed well in Iowa's 2020 drought and Derecho due to strong roots.

7402 AM™ / 7404 Q™ | 104RM

- » 7402 AM™ had two Top-5 finishes in the Northwest Iowa F.I.R.S.T. trials.
- » 7404 Q[™] was the Plot Winner at two locations in eastern Colorado and Plot Winner in a 20-entry multi-brand strip trial in Harris, Iowa at 240.9 bu/a.
- » Optimum AQUAmax drought tolerance, broad adaptation and dual-purpose silage utility are key features of this genetic family.

7434 AM[™] / 7436 Q[™] | 104RM

- » 7434 AM™ finished 3rd out of 21 competitive entries at the fullseason SDSU IGROW replicated plot at Mt. Vernon, South Dakota.
- » 7436 Q™ was the Plot Winner at Harrisburg, South Dakota, topping the trial at 251.4 bu/a.
- » Excellent yield potential, ear flex and drought tolerance makes this a popular genetic family across the Western Corn Belt.

7772 Q™ | 107RM

- » 7772 Q™ held an average advantage of 7.2 bu/a over the plot average across all the locations tested in 2020.
- » High yield potential, excellent plant health and a moderate stature are key features of this product.

7869 AM™ | 108RM

- » Regional Champion in the Northwest Iowa F.I.R.S.T. Full-Season set, beating out 54 other competitive entries across 6 locations.
- » Strong emergence, top-end yield potential, and good root strength make this an excellent hybrid for western lowa.

7955 AML™ | 109RM

- » Followed a strong performance in 2019 with ten Top-10 finishes across Iowa, Kansas, and Nebraska in 2020 F.I.R.S.T. trials.
- » Plot Winner at both Ponca and Wisner in the Northeast Nebraska F.I.R.S.T. trials.
- » Plot Winner in a Stafford, Kansas dryland plot at 186.7 bu/a.
- » Plot Winner under heavy greensnap pressure at Osceola, Nebraska, resisting the wind and beating out 15 other hybrids including 8 competitive products.
- » Outstanding agronomic package with protection against corn earworm and western bean cutworm powered by Optimum[®] AcreMax[®] Leptra[®].

7990 Q™ | 109RM

- » Continues to return strong top-end yield performances. After ranking 1st in Gross Income in the 2019 Northeast Nebraska F.I.R.S.T. region summary, finished 3rd out of 36 competitive entries in the same region in 2020.
- » Plot Winner in numerous locations in 2020, including three locations in central Nebraska – Amherst, Sargent and St. Paul.
- » Best positioned on high-yielding acres and responds well to inputs.



8009 AM™ | 110RM

- » Regional Champion in West Central Iowa F.I.R.S.T. Early-Season test (1st out of 49 entries) and 4th out of 55 entries in the Northwest Iowa F.I.R.S.T. Full-Season test.
- » Plot Winner at Lakefield, Minnesota beating out 26 other entries, including 17 competitors.
- » This new double stack product has outstanding top-end yield potential, good standability and a moderate plant stature.

8084 AM™ / 8085 Q™ | 110RM

- » 8084 AM™ performed consistently over a broad area in 2020. Finished in the Top-10 in all three F.I.R.S.T. trial regions it was tested in 2020 – 2nd out of 36 in northeast Nebraska, 3rd out of 55 in northwest Iowa, and 8th out of 49 in west central Iowa.
- » 8085 Q[™] was the Plot Winner at Rockwell City, Iowa under heavy drought stress.
- » Excellent stress emergence, drought tolerance, and outstanding root strength and a great choice across the Western Corn Belt.

8188 Q™ | 111RM

- » 8188 Q[™] was the Regional Runner-Up in the 2020 Northeast Nebraska F.I.R.S.T. trial Full-Season test. With a 247.6 bu/a yield average, this hybrid ranked 2nd out of 48 competitive entries, falling just 0.6 bu/a short of the champion 8235 Q.
- » Plot winner at multiple locations in central Nebraska, including a 284.3 bu/a performance at Scotia.
- » Out-yielded Channel brand 213-19 STXRIB by 14.4 bu/a across 5 locations in Nebraska and Kansas in 2020.
- » Excellent choice for high-yielding acres while providing good greensnap tolerance and dual-purpose silage potential.

8233 AM™ / 8235 Q™ | 112RM

- » 8235 Q[™] was the Regional Champion in the 2020 Northeast Nebraska F.I.R.S.T. trial Full-Season test. With a 248.2 bu/a yield average, this hybrid ranked 1st out of 48 competitive entries.
- » 8235 Q[™] out-yielded Channel brand 213-19 STXRIB by 13.2 bu/a across 5 locations in Nebraska and Kansas in 2020.
- » 8233 AM[™] scored 6 Top 10 F.I.R.S.T. trial finishes and numerous strip plot wins at locations throughout Iowa, Kansas and Nebraska in 2020.
- » Top-end yields, excellent standability, and Optimum AQUAmax drought tolerance allows this genetic family to be placed over a broad range of acres.

8518 AM™ / 8519 Q™ | 115RM

- » 8518 AM™ was the plot winner at Silver Creek, Nebraska beating out 7 competitive hybrids at 267.2 bu/a.
- » 8518 AM™ was the plot winner in a 19 entry test at Clarinda, lowa yielding 260.5 bu/a.
- » 8519 Q[™] placed 2nd (just behind 8637 Q) at 316.3 bu/a at Lexington, Nebraska.
- » An excellent disease package and good stalk strength makes this a good choice for irrigated and bottom ground fields.

8529 AM™ / 8531 Q™ | 115RM

- » 8531 Q™ was the Plot Winner at the Columbus, Nebraska F.I.R.S.T. Trial Full-Season test at 290.4 bu/a.
- » 8529 AM topped multiple plots including a win at 189.7 bu/a in Lockwood, Missouri and a win in Axtell, Kansas yielding 242.8 bu/a.
- » Multi-year track record of top-performing yields. Monitor late stalks for timely harvest.



SOYBEAN PERFORMANCE HIGHLIGHTS



2240 E™ | 2.2RM

- » Beats NK brand Enlist E3 soybeans by an average of 5.3 bu/a across 9 comparisons.
- » Beats Golden Harvest Roundup Ready 2 Xtend varieties by an average of 2.8 bu/a across 6 comparisons.

2660 E™ | 2.6RM

- » Beats Stine brand Enlist E3 soybeans by an average of 2.7 bu/a across 7 comparisons.
- » 20th of 84 entries in the F.I.R.S.T. Iowa South Region Performance Summary.
- » 11th of 54 entries in the F.I.R.S.T. Nebraska Northeast Region Performance Summary.
- » Beats Golden Harvest Roundup Ready 2 Xtend and Enlist E3 soybeans by an average of 10.9 bu/a across 7 comparisons.
- » Beats NK brand E3 soybeans by an average of 3.5 bu/a across 7 comparisons.

2970 E™ | 2.9RM

- » 11th of 42 entries in the F.I.R.S.T. Iowa South Central Region Performance Summary.
- » Performance leader across the entire Hoegemeyer geography at this maturity.

3350 E™ | 3.3RM

- » Beats Stine brand Enlist E3 soybeans by an average of 3.9 bu/a across 3 comparisons.
- » Beats NK brand Enlist E3 soybeans by an average of 5.0 bu/a across 5 comparisons.
- » 14th of 45 entries in the F.I.R.S.T. Nebraska Southeast Region Performance Summary.
- » 15th of 54 entries in the F.I.R.S.T. Nebraska Northeast Region Performance Summary.
- » 6th of 36 entries in the F.I.R.S.T. Missouri North Region Performance Summary.

3591 E™ | 3.5RM

- » 16th of 84 entries in the F.I.R.S.T. Iowa South Region Performance Summary.
- » 4th of 36 entries in the F.I.R.S.T. Kansas Northeast Region Performance Summary.
- » 16th of 36 entries in the F.I.R.S.T. Missouri North Region Performance Summary Early Season Test.

3921 E™ | 3.9RM

- » 17th of 36 entries in the F.I.R.S.T. Kansas Northeast Region Performance Summary.
- » 20th of 45 entries in the F.I.R.S.T. Kansas East Central Region Performance Summary.

4081 SE™ | 4.0RM

- » 2nd of 36 entries in the F.I.R.S.T. Missouri North Region Performance Summary Full Season Test.
- » 10th of 36 entries in the F.I.R.S.T. Kansas Northeast Region Performance Summary.
- » Beats Stine brand Enlist E3 soybeans by an average of 8.4 bu/a across 3 comparisons.

4161 E™ | 4.1RM

- » 17th of 45 entries in the F.I.R.S.T. Kansas East Central Region Performance Summary.
- » 20th of 36 entries in the F.I.R.S.T. Kansas Northeast Region Performance Summary.

4516 SE™ | 4.5RM

- » Offers flexibility for double crop planting and performance to take advantage of high yield environments.
- » Excellent choice for high pH soils.

4860 E™ | 4.8RM

- » The established leader for our late group 4 portfolio with consistent top performance across a wide variety of environments.
- » Performs well in all geographies.





GROWER TESTIMONIALS

"I CHOOSE HOEGEMEYER SOYBEANS BECAUSE THEY CONSISTENTLY OUT-YIELD THE COMPETITORS"

DEREK FRAHM | CASTANA, IA

"I EXPERIENCED MORE TOP-END YIELD WITH MY E3 SOYBEANS THAN OTHER PRODUCTS"

NICK KARMAZIN | LAWRENCE, NE

"WE HAVE A LOT OF WEED PROBLEMS IN MY AREA, ENLIST GIVES THE FLEXIBILITY AND THE CONTROL WE NEED"

BRET MADER | GRAND ISLAND, NE

PROTECT YOUR SOYBEAN SEED INVESTMENT AGAINST PHYTOPHTHORA

When it comes to producing soybeans, nothing limits yield like Phytophthora root and stem rot (PRR). PRR causes seed rots, damping off of seedlings and stem rots. Hoegemeyer offers best in-class seed treatment with LumiGEN[™] technologies.

Our foundation starts with Lumisena® fungicide seed treatment for protection against Phytophthora, the number 1 soybean disease. Lumisena® fungicide seed treatment improves plant stands by 2,500 plants per acre compared to the industry-standard treatments. According to the Crop Protection Network, root rot and stem diseases caused an average of \$15.06 per acre in yield loss between 2015 and 2019.

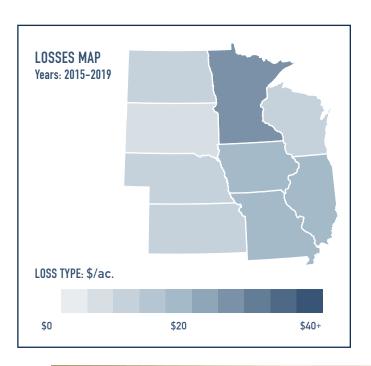
HOEGEMEYER LUMIGEN™ SEED TREATMENT DELIVERS A BETTER FUNGICIDE PACKAGE

Getting the most out of your seed investment involves protecting your yield with treated seed.

- » Lumisena® fungicide seed treatment adds up to 1 bu/a, and up to 4 bu/a in fields with higher PRR susceptibility, vs the phytophthora rate of metalaxyl.
- » Hoegemeyer also offers a biological seed treatment, L-2030R. This proprietary blend adds 0.6 bu/a and enhances root growth and stimulates rhizobia bacteria in the soil while also using biofungicide activity against Rhizoctonia and Fusarium.

Using Hoegemeyer LumiGEN™ soybean seed treatment is an easy option to control yield-robbing diseases, pests and uncertain soil conditions during the critical early growth period. Contact your local Hoegemeyer dealer to ensure your soybeans have the best protection this spring.









	TRADE NAME	PHYTOPHTHORA	PYTHIUM	RHIZOCTONIA	FUSARIUM	PHOMOPSIS
LumiGEN™	Lumisena® fungicide (Oxathiapiprolin)	•				
	EverGol® Energy (Metalaxyl)		•			
	EverGol® Energy (Penflufen)			•		•
	EverGol® Energy (Prothioconazole)			•	•	
	L-2030 G biofungicide			•*	•*	
	Modes of Action	1	1	3	2	1
CruiserMaxx®Vibrance® seed treatment	Mefenoxam	•	•			
	Fludioxonil			•	•	•
	Sedaxane			•		
	Modes of Action	1	1	2	1	1
Acceleron® seed applied solutions	Metalaxyl	•	•			
	Fluxapyroxad			•	•*	
	Pyraclostrobin		•*	•	•*	•*
	Modes of Action	1	2	2	2	1
Generic offer example	Metalaxyl	•	•			
	Fludioxonil			•	•	•
	Modes of Action	1	1	1	1	1

Lumisena®

FUNGICIDE SEED TREATMENT

EverGoi® Energy is a registered trademark of Bayer CropScience. Acceleron® is a registered trademark of Monsanto Technology LLC. CruiserMaxx® and Vibrance® are registered trademarks of Syngenta. The information described in the chart is based on a review of product labels. State registrations for L-2030 G are pending. This product may not be registered for sale or use in all states. Contact your local Corteva Agriscience retailer or representative for details and availability in your state. L-2030 G has not yet received regulatory approvals in any country outside the United States; approvals are pending. 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 Agriscience reserves the right to update the information at any time. Components of LumiGEN technologies for soybeans are applied at a Corteva Agriscience production facility, or by an independent sales representative of Corteva 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 and its affiliates.







SEE TOP YIELD PERFORMERS. HEAR FROM YOUR LOCAL TEAMS. ALL ONLINE.

Every year, we look forward to greeting our customers and new faces out in the fields through our Master Plot Tours and local field days. This year was a little different, we brought that local agronomy and product insight online. This past fall we launched a new virtual series called Crop Talk featuring our local product team and agronomists. The Crop Talk series brings growers of the Western Corn Belt the latest agronomy insights, plot results, and visibility into new varieties and top performers.

The Crop Talk series is just one more way we can ensure we deliver the Right Seed to maximize your performance—no matter what the season may bring.

FOLLOW THE SERIES AT THERIGHTSEED.COM/CROPTALK



ERIC SOLBERG **Eastern Product Agronomist**



STRONG CORN GENETICS ENABLED BY THE RIGHT TRAIT PACKAGES





ROOTWORM PROTECTION WITHOUT SACRIFICING YIELDS

Hoegemeyer brand Qrome® products had a 5.7 bu/a advantage in 4,694 comparisons across the Western Corn Belt. Get rootworm protection without sacrificing yields. Here are a few benefits of Qrome products that will add performance and confidence to your farm operation.

HOEGEMEYER BRAND OROME° PRODUCTS

- » Industry-leading genetics for the Western Corn Belt
- » Elite triple stack technology

- » Excellent insect protection and rootworm efficacy
- » Proven performance with strong agronomics



FOR CLEANER EARS AND YIELD CHOOSE OPTIMUM® ACREMAX® LEPTRA

Optimum AcreMAX Leptra products provide a superior level of efficacy against ear-feeding pests for cleaner ears with improved grain quality.

OPTIMUM° ACREMAX° Leptra° products

- » Controls a broad spectrum of pests, including western bean cutworm, corn earworm and other lepidopteran pests
- » Several options for silage and grain acres
- » Offers a great ROI with cleaner grain and silage kernels
- » Top 10 performance finishes in Kansas and Nebraska F.I.R.S.T. Trials

AcreMax

🖈 AgrisureViptera





Orome performance data is based on the average of 4,694 comparisons made in Nebraska, South Dakota, Iowa and Kansas, 2019 and 2020. Orome® products are approved for cultivation in the U.S. and Canada. They have also received approval in a number of importing countries, most recently China. For additional information about the status of regulatory authorizations, visit http://www.biotradestatus.com/

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.

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 countries, a 20% separate corn borer refuge must be planted with Optimum AcreMax Leptra products.

Herculex® I insect protection technology by Dow AgroSciences and Pioneer Hi-Bred. «YieldGard, the YieldGard Corn Borer Design and Roundup Ready are registered trademarks used under license from Monsanto Company, Liberty®, LibertyLink® and the Water Droplet Design are trademarks of BASF. Agrisure Viptera® is a registered trademark of, and used under license from, a Syngenta Group Company, Agrisure® technology incorporated into these seeds is commercialized under a license from Syngenta Crop Protection AG.

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