



20
23

SEED GUIDE

CORN • ENOGEN • SOYBEANS



S U C C E

▶ **Farmer success is why we exist.** It's the single driver behind every investment we make and every product we introduce. For corn, this means turning a decade of investment into a **proven portfolio** that earns its every acre. For soybeans, it means bringing our **high-performing, elite genetics** with the traits farmers need faster.

And for us at NK, it means focusing the **speed, precision and power** of Syngenta research and development to create a more personal seed experience that contributes directly to your success for the 2023 season.



SS MATTERS

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FIELD FORGED SERIES™

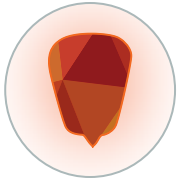
The Field Forged Class of 2023 Is Here, and It's **Bringing the Heat**

Last year we launched our brand-new Field Forged Series™, which brought together our ***highest-performing seed, hand-selected for top performance***. Each seed is forged in the lab — and in the field — to ensure that we're bringing not just the highest yield potential, but also agronomically stable crops that work across an array of diverse acres to drive farmers' profit potential. And with critical efficiencies to our R&D process, we're able to deliver our high-performing seed with leading traits faster than ever, for corn and soybean products that come ***tested and proven to succeed***.



When you see a hybrid or variety branded with this icon, you know to expect maximized strength in every seed.





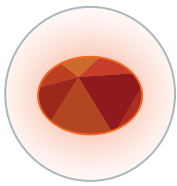
High Standards and Proven Results in Corn

- **Strong yield potential** in area of adaptation
- **Yield consistency** across multiple years of trials
- **Strong** stalks and roots
- **Excellent** disease tolerance
- **Broad adaptation**

All available with industry-leading traits to meet your fields' specific needs.



+1.4 BU/A ADVANTAGE OVER PIONEER® HYBRIDS¹
NK Field Forged hybrids across 916 trials in Minnesota



Proprietary Genetics, Diverse Trait Portfolio in Soybeans

- **Consistently outstanding yield** performance potential
- **Resistance** to soybean cyst nematode
- **Excellent** Soybean White Mold tolerance
- **Strong** Phytophthora Root Rot resistance
- **Proven** Sudden Death Syndrome tolerance

Top-of-the-line genetics are paired with the latest in-demand soybean traits for the highest level of weed control with the greatest application flexibility.



+2.7 BU/A ADVANTAGE OVER BREVANT® VARIETIES¹
NK Field Forged varieties across 484 trials in Minnesota

For the 2023 season, we're turning things up a notch. Only our top-performing seeds have what it takes to join our elite Field Forged Series. See the hybrids and varieties that earned their spot in our 2023 Field Forged Class.

Find out more at NKFieldForged.com



¹ Yield advantages are composites based on the results of 2020-2021 Syngenta first-party, FIRST and other independent third-party trials, when available.



powered by Cropwise



Using a unique set of tools, NK Cropwise™ seed placement tool helps retail sellers work with farmers to ***get the right product on the right acre***. The simple user interface makes it easy to compare products, look at historic data and develop placement plans so that you can ***be confident in your seed selection decision***.



Product Analyzer

- Dive deep into **product performance data** for specific hybrids and varieties.
- See **pairwise comparisons, market breakouts, management breakouts, weather and soil breakouts** and regression charts.



Product Tools

- Quickly access **product technical sheets** and **performance breakouts**.
- Retailers can easily **generate a pricing proposal** for their farmers.



Cropwise Imagery

- Access **NDVI imagery** of your fields all season long.
- Use the mobile app for **scouting**.



Seed Selector

- Combine field-specific soils and historical weather data to **rate seed products for performance** on a single-field basis.

Success Packs

- Develop **product placement plans** across multiple fields for corn and soybeans.



Confidence to Invest in a Better Crop

Give your crop what it needs to outperform and outyield. But if nature doesn't cooperate, Syngenta will share the risk. By enrolling in the NK AgriClime™ program, your operation is set up for success, with premium NK® products and a weather protection offer if adverse conditions are present. At Syngenta, we appreciate the opportunity to help farmers defend against financial risk, and we are excited to provide confidence to invest in a better crop.

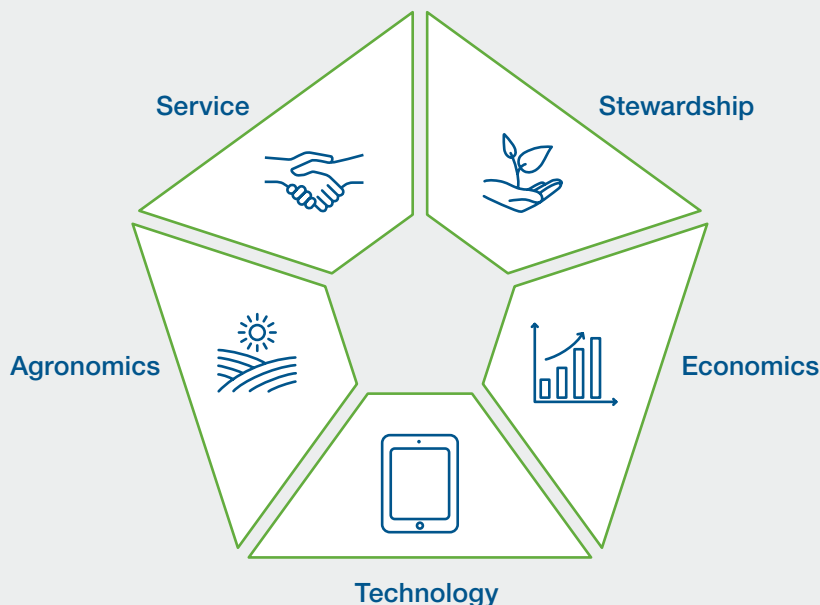
Learn more at agriclime.us



Make Faster, Data-Driven Decisions

AgriEdge® is more than a whole-farm management program — it is a comprehensive resource for the everchanging needs of farmers everywhere. This customized experience empowers you to make faster, data-driven decisions. Our technology combined with personalized service will help you drive **better yields** and achieve potential **greater returns on investments**.

The 5 Key Components of AgriEdge





CORN



HYBRIDS



More Consistency in Every Stalk

With a decade of game-changing investments under our belt, we're bringing *stronger corn genetics* combined with enhanced testing to the farm faster than ever. Behind every corn hybrid, you can trust there is an ever-growing team of breeders and constant invention in the pursuit of our strongest seed yet, with no-surprises, what-you-expect, *predictable performance*.



View hybrid insights —
straight from the field.

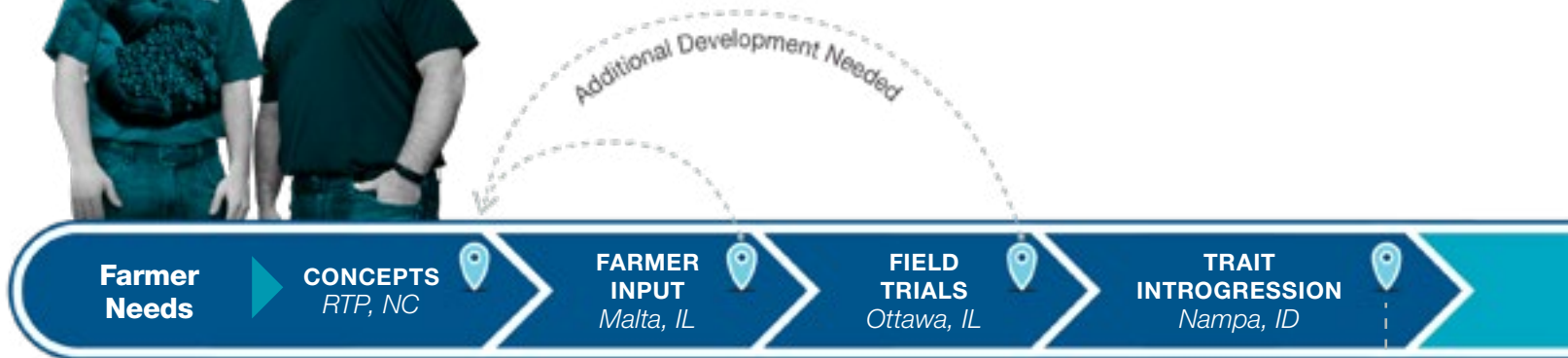
Getting Stronger Hybrids

on the Right Acre, *Faster*

From our expert-packed U.S. research centers to the more than **\$1.4 billion we invest** annually in global research and development — number two globally in R&D — we take everything our teams hear from farmers and see in the field to **develop and commercialize the solutions** farmers need as quickly as possible.



Our state-of-the-art facilities reduce cycle time and improve speed to market and product placement precision.



136,000-square-foot facility with state-of-the-art greenhouse



93-acre R&D Innovation Center



152 acres for field trials



\$30 million trait introgression facility

Looking ahead, our proprietary HI-Edit™ technology process will **improve speed to market** without sacrificing precision or quality. Syngenta's own Tim Kelliher discovered the haploid inducer (HI) gene, which makes the method possible.

PROPRIETY & REVOLUTIONARY
method that blends gene editing and doubled-haploid breeding.

SINGLE-STEP ACHIEVEMENT
accomplishes an edited inbred line in a single step vs. standard 2.5 years of trait introgression.

LARGE-SCALE TESTING
means putting new seed in farmers' hands faster.





How Syngenta Brings Consistently High-Performing Hybrids to Market

Our pre-commercial evaluation platform brings two years of testing, technology and product development together so that when we launch a product, farmers know **where and how to place it to maximize investment.**

How We Activate Evaluation

- **Leverage environmental data** to make sure our testing footprint reflects the conditions farmers will actually experience.
- **Track precise regional conditions** across the Corn Belt to deliver accurate, predictive planting recommendations.
- **Evaluate traited products** across a broad range of criteria to ensure that only the highest-performing hybrids go to market.
- **Document** characteristics, weather, soil type, productivity level and predictive yield.



Advanced crop models are used to optimize testing footprint.

Precision planters drive plot quality.

Automated data collection tools accelerate product characterization.



Two years of testing of traited version ensures stable performance.

Data science is used to predict hybrid performance across many environments.








Population and management response trials refine placement recommendations.



Learn more about STEPP Trials

Simplified Naming for Trusted Traits

After thorough review and feedback from customers, for the 2023 season, Syngenta has developed a simplified and streamlined corn trait portfolio naming structure for a clearer understanding of products and benefits within each trait stack, ***so you know exactly the right choice for your acre.***

	Viptera	Non-Viptera	Additional Trait Offerings
Above- and Below-Ground Insect Protection	 <p>Duracade Viptera™ DV</p> <p>Formerly: Agrisure Duracade® 5222 E-Z Refuge® Agrisure Duracade® 5222A E-Z Refuge®</p>	 <p>Duracade™ D</p> <p>Formerly: Agrisure Duracade® 5122 E-Z Refuge® Agrisure Duracade® 5122A E-Z Refuge®</p>	 <p>Viptera z3 VZ</p> <p>Formerly: Agrisure Viptera® 3330 E-Z Refuge®</p>
Above-Ground Insect Protection	 <p>Viptera™ V</p> <p>Formerly: Agrisure Viptera® 3220 E-Z Refuge® Agrisure Viptera® 3220A E-Z Refuge®</p>	 <p>Agrisure Above AA</p> <p>Formerly: Agrisure® 3120 E-Z Refuge® Agrisure Artesian® 3120A E-Z Refuge®</p>	 <p>Duracade Viptera z3 DVZ</p> <p>Formerly: Agrisure Duracade® 5332 E-Z Refuge®</p>
			 <p>Agrisure Total AT</p> <p>Formerly: Agrisure® 3122 E-Z Refuge®</p>

Industry-Leading Protection



Plant the Leading Solution for Insect Control

- **Combines the power** of Duracade™ and Viptera™ traits to control 16 damaging above- and below-ground pests, more than any competitive trait stack.
- **Alternate modes of action** to help preserve trait durability and delay insect adaptation for long-term field health.
- **Higher Yield Potential** — 4.1 Bu/A advantage over products without Duracade stacks.¹



Give Every Seed the Chance to Reach Full Potential

- **The most effective above-ground insect control** in the industry for controlling major leaf-, stalk- and ear-feeding corn insects, including western bean cutworm.
- **Results** in reduced insect-feeding damage, better crop stand and higher grain quality due to lower incidences of mold and mycotoxin development.



Maximize Yield When It Rains; Increase Yield Potential When It Doesn't

- **Season-long drought protection** through advanced genetics.
- **Healthier plants** with genetics that allow plants to manage gaps in rainfall season-long and potentially yield exceptionally well in good conditions.
- **Strong yield potential**, delivering nearly 12% higher yields compared with other hybrids in severe and extreme drought.²

¹Data is based on 390 Syngenta Field Evaluation Trials and external field trials across the Corn Belt, 2013.

²Data is based on 7,613 Syngenta Field Evaluation Trials across the Corn Belt, 2010-2014. Syngenta defines a yield environment of 50-99 Bu/A as severe and fewer than 50 Bu/A as extreme.

Corn Trait Breakdown

	TRAIT STACK	INSECT TRAIT EVENTS			HERBICIDE TOLERANCE	
		BROAD LEPIDOPTERAN	CORN BORER	CORN ROOTWORM	GLYPHOSATE	GLUFOSINATE
ABOVE- AND BELOW-GROUND TRAIT STACKS	DuracadeViptera™	MIR162 TC1507	Bt11 TC1507	MIR604 5307	X	X
	DuracadeViptera™Z3	MIR162 MON89034	Bt11 MON89034	MIR604 5307	X	X
	Duracade™	TC1507	Bt11 TC1507	MIR604 5307	X	X
	Agrisure® Total	TC1507	Bt11 TC1507	MIR604 DAS59122-7	X	X
	Agrisure Viptera® 3111	MIR162	Bt11	MIR604	X	X
	Agrisure® 3000GT		Bt11	MIR604	X	X
ABOVE-GROUND TRAIT STACKS	Viptera™	MIR162 TC1507	Bt11 TC1507		X	X
	Viptera™Z3	MIR162 MON89034	Bt11 MON89034		X	X
	Agrisure® Above	TC1507	Bt11 TC1507		X	X
	Agrisure Viptera® 3110	MIR162	Bt11		X	X
NO INSECT PROTECTION	Agrisure Artesian® GTA/LL				X	X
	Agrisure® GT				X	





TAKE ACTION PROGRAM AND REFUGE LOOKUP

Take Action Insect-Resistance Management is a **farmer-focused educational platform** designed to help farmers implement stewardship practices.



Take Action is an industry-wide partnership of university scientists, seed biotech companies — including Syngenta — commodity organizations and the National Corn Growers Association to **create resources and tools to help farmers plan** how to meet the minimum refuge requirements and how to implement **best management practices** on their farms.



To find out more about how you can take action, visit iwilltakeaction.com/insects.

The Agriculture Biotechnology Stewardship Technical Committee, National Corn Growers Association and all other Take Action partners neither recommend nor discourage the implementation of any advice contained herein and are not liable for the use or misuse of the information provided.

Corn Characteristics

RM 80-106

PRODUCT	TRAIT OFFERS ¹					MATURITY INFORMATION			
	Above- and Below-Ground Insect Protection with E-Z Refuge	Above-Ground Insect Protection with E-Z Refuge	Above- and Below-Ground Insect Protection	Above-Ground Insect Protection	No Insect Protection	Relative Maturity	GDUs to Silk	GDUs to Black Layer	
NK Hybrid Series	Duracade Viptera	Duracade Viptera z3	Viptera	Agrisure Viptera 311	Agrisure Viptera 310	Agrisure Artesian GTA/LL	Relative Maturity	GDUs to Silk	GDUs to Black Layer
	Duracade	Agrisure Total	Viptera z3			Agrisure GT			
			Agrisure Above						
NK8005		V			GTA/LL	80	1150	1810	
NK8204		V				82	1210	2075	
NK8519		V				85	1220	2140	
NK8618		AA				86	1200	2140	
NEW NK8760		V				87	1210	2140	
NK8881		AA-LL				88	1205	2280	
NK9023	DV					90	1240	2290	
NK9175	DV					91	1240	2300	
NK9227		V				92	1265	2325	
NEW NK9231		AA				92	1240	2300	
NEW NK9347	D					93	1240	2325	
NK9535		V				95	1280	2400	
NK9653	DV					96	1275	2400	
NK9991	D					99	1300	2445	
NEW NK0007		AA				100	1295	2440	
NK0243	D	AA				102	1305	2475	
NK0314	D					103	1315	2475	
NK0330	D					103	1355	2475	
NK0440	AT					104	1385	2570	
NK0472	DV					104	1335	2445	
NK0624	DV					106	1355	2560	
NEW NK0696	D					106	1360	2550	

TRAITS

Above- and Below-Ground Insect Protection with E-Z Refuge

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DVZ = DuracadeViptera™Z3 (formerly Agrisure Duracade® 5332 E-Z Refuge®)

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Above-Ground Insect Protection with E-Z Refuge

V = Viptera™ (formerly Agrisure Viptera® 3220 E-Z Refuge®, Agrisure Viptera® 3220A E-Z Refuge®)

VZ = Viptera™Z3 (formerly Agrisure Viptera® 3330 E-Z Refuge®)

AA = Agrisure® Above (formerly Agrisure® 3120 E-Z Refuge®, Agrisure Artesian® 3120A E-Z Refuge®)

AA-LL = Agrisure® Above LL (formerly Agrisure Artesian® 3120A-LL E-Z Refuge®)

Above- and Below-Ground Insect Protection

3111 = Agrisure Viptera® 3111

Above-Ground Insect Protection

3110 = Agrisure Viptera® 3110

No Insect Protection

GTA/LL = Agrisure Artesian® GTA/LL

GT = Agrisure® GT

¹ Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium-based herbicides.

² Disease and insect ratings are not absolute; environmental conditions and certain cultural practices, such as continuous corn, play a critical role in disease development and insect infestation, which can predispose plants to secondary diseases such as stalk and ear rots. If conditions are severe, even hybrids rated as resistant can be adversely affected. Farmers should balance yield potential, hybrid maturity and cultural practices against the anticipated risk of disease or insect pressure. Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta.

³ Flex hybrids adjust to growing conditions by changing ear length or kernel depth. Determinate hybrids are less able to adjust ear size. Plant population is considered more important for a determinate-ear hybrid than for a flex-ear hybrid.



AGRONOMIC CHARACTERISTICS											PLANT CHARACTERISTICS					DISEASE TOLERANCE ²										PRODUCT		
Emergence	Seedling Vigor	Root Strength	Stalk Strength	Drought	Greensnap	Staygreen	Drydown	Test Weight	Blunt Ear	Plant Height	Ear Height	Root Type	Leaf Type	Ear Flex ³	Husk Cover	Cob Color	Gray Leaf Spot	Northern Corn Leaf Blight	Goss's Wilt	Bacterial Leaf Streak	Southern Corn Leaf Blight	Eyespot	Anthraxnose Stalk Rot	Tar Spot	Fusarium Crown Rot	Common Rust	Southern Rust	NK Hybrid Series
3	3	3	3	1	3	1	4	2	-	5	4	M	U	SF	M	R	-	5	4	-	-	3	-	-	-	-	-	NK8005
3	2	2	4	4	3	4	2	4	-	4	4	M	P	SF	M	R	-	4	4	-	-	4	-	-	4	-	-	NK8204
3	2	4	3	2	3	3	3	3	-	3	4	P	S-U	SF	M	R	-	3	4	-	-	4	-	-	4	-	-	NK8519
3	3	3	2	1	4	3	4	2	1	3	5	M	S-U	SF	M	R	-	3	4	-	-	3	2	2	2	-	-	NK8618
2	2	3	4	2	2	4	4	3	-	4	4	M	S-U	SF	M	R	-	3	4	2	-	-	4	2	4	-	-	NK8760
3	3	3	3	1	4	4	2	3	3	3	5	M	U	SF	L	R	-	3	3	-	-	3	3	-	3	-	-	NK8881
3	3	4	3	3	3	3	3	3	2	2	2	M	U	SD	M	R	-	3	5	-	-	-	3	-	3	-	-	NK9023
2	2	5	4	1	2	4	3	3	6	3	4	M	U	SD	M	R	-	3	4	-	-	3	4	2	5	-	-	NK9175
2	3	4	2	1	3	3	3	2	3	2	2	F	P	SF	M	R	-	3	4	3	-	-	3	3	3	-	-	NK9227
2	3	5	3	2	3	2	3	3	-	2	3	M	S-U	SF	M	R	3	4	6	3	-	-	4	4	5	-	-	NK9231
3	3	3	2	3	2	4	3	5	1	4	5	M	P	SF	S	R	3	4	4	3	-	-	2	4	3	-	-	NK9347
3	3	3	2	2	5	2	3	2	1	3	4	F	S-U	F	M	R	4	5	3	4	-	2	3	3	3	4	-	NK9535
2	2	3	2	2	2	3	3	2	-	2	2	F	U	SF	M	R	3	2	4	5	-	3	3	2	2	-	-	NK9653
3	2	2	3	3	4	2	3	3	-	3	3	M	S-U	SF	M	R	2	2	5	5	-	3	3	4	4	-	-	NK9991
2	2	2	3	1	2	2	3	3	-	5	5	M	P	SD	M	R	3	3	6	4	-	-	3	4	3	-	-	NK0007
3	3	3	2	2	2	1	3	5	-	5	5	M	U	F	M	R	3	4	3	7	-	3	-	4	2	-	-	NK0243
3	3	3	4	4	2	3	5	2	-	4	3	M	S-U	SF	M	R	5	3	3	4	4	-	4	4	3	-	-	NK0314
4	4	4	5	3	4	5	3	4	5	3	3	M	S-U	SF	M	R	4	3	4	4	3	3	4	3	4	3	4	NK0330
4	3	5	3	3	3	4	3	5	-	2	2	M	S-U	SF	M	Pi	4	4	3	4	4	2	2	4	3	-	-	NK0440
2	2	2	2	4	2	3	4	2	-	4	4	M	U	SD	M	R	4	5	3	3	-	3	-	3	2	-	3	NK0472
3	3	3	3	2	3	4	3	5	-	4	5	M	U	F	M	R	5	2	4	4	3	5	-	5	4	-	-	NK0624
2	2	2	3	3	5	3	3	4	-	5	4	M	S-U	SD	M	R	3	3	4	3	-	-	6	5	5	-	2	NK0696

= Field Forged Series

TEST WEIGHT
1 = High
9 = Low

EAR HEIGHT
1 = High
9 = Low

LEAF TYPE
U = Upright
S-U = Semi-Upright
P = Pendulum

HUSK COVER
S = Short
M = Medium
L = Long

DISEASE TOLERANCE
1 = High
9 = Low
- = Not Available

AGRONOMIC CHARACTERISTICS
1 = Best
9 = Worst
- = Not Available

PLANT HEIGHT
1 = Tall
9 = Short

ROOT TYPE
P = Penetrating
M = Modified
F = Fibrous
























EAR FLEX
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

COB COLOR
DR = Dark Red
R = Red
Pi = Pink
W = White

DROUGHT
Artesian™ Water-Optimized Hybrid

Corn Characteristics

RM 107-118

PRODUCT	TRAIT OFFERS ¹					MATURITY INFORMATION			
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	Duracade	Agrisure Total	Viptera z3			Agrisure GT			
 NK0748	D	AA					107	1370	2550
 NK0821	D						108	1405	2560
 NK0877		V					108	1370	2580
 NK0962	DV						109	1420	2570
 NK1026	DVZ	VZ					110	1410	2570
 NK1082	DV	V					110	1395	2620
 NK1188	D	AA					111	1430	2600
 NK1239	D						112	1430	2630
 NK1349		V					113	1420	2630
 NK1354	DV						113	1435	2650
 NK1364			3111				113	1415	2630
 NK1452	AT	AA					114	1435	2630
 NK1460	DV						114	1425	2660
 NK1523		V					115	1455	2665
 NK1573	DV						115	1455	2645
 NK1661	DV	AA					116	1440	2700
 NK1677				3110			116	1465	2650
 NK1694			3111		GT		116	1465	2690
 NEW NK1701		V					117	1400	2700
 NK1748				3110			117	1465	2690
 NEW NK1755	DV						117	1480	2675
 NK1808			3111				118	1480	2700
 NK1822			3111				118	1495	2690
NEW NK1838				3110			118	1480	2750
NK1860			3111				118	1475	2700

TRAITS

Above- and Below-Ground Insect Protection with E-Z Refuge

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AGRONOMIC CHARACTERISTICS											PLANT CHARACTERISTICS						DISEASE TOLERANCE ²										PRODUCT	
Emergence	Seedling Vigor	Root Strength	Stalk Strength	Drought	Greensnap	Staygreen	Drydown	Test Weight	Blunt Ear	Plant Height	Ear Height	Root Type	Leaf Type	Ear Flex ³	Husk Cover	Cob Color	Gray Leaf Spot	Northern Corn Leaf Blight	Goss's Wilt	Bacterial Leaf Streak	Southern Corn Leaf Blight	Eyespot	Anthracnose Stalk Rot	Tar Spot	Fusarium Crown Rot	Common Rust	Southern Rust	NK Hybrid Series
3	3	3	3	3	4	3	4	4	-	3	3	M	S-U	SF	L	Pi	3	3	5	3	-	-	3	5	5	-	3	NK0748
2	3	3	3	1	2	5	4	4	-	4	5	M	S-U	SF	M	Pi	4	2	3	3	6	4	-	4	4	4	5	NK0821
3	3	2	2	2	4	4	4	4	-	5	5	M	U	SF	M	R	5	3	4	4	5	-	-	-	5	-	-	NK0877
4	3	4	4	1	3	5	4	4	-	5	3	M	S-U	SF	M	R	5	2	4	4	4	3	-	4	5	-	5	NK0962
3	2	2	3	3	5	3	4	4	-	3	2	M	S-U	SD	S	Pi	2	2	3	4	-	-	2	3	4	3	4	NK1026
2	3	5	4	1	4	5	2	4	-	5	6	M	S-U	SF	M	R	4	6	3	4	4	3	-	4	5	7	4	NK1082
3	3	3	4	2	3	4	3	2	-	4	6	F	U	SF	L	Pi	4	3	6	4	6	-	3	4	3	7	4	NK1188
3	2	3	2	4	5	2	4	3	-	2	4	M	U	SF	M	R	3	3	3	4	6	-	3	2	3	7	4	NK1239
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3	3	2	3	3	3	4	3	3	-	3	2	M	U	SD	M	R	5	4	4	4	4	3	4	3	3	3	4	NK1452
3	3	2	4	2	2	3	3	5	-	3	2	M	U	SF	M	Pi	4	5	4	4	4	3	-	3	4	7	5	NK1460
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3	4	3	2	5	3	3	3	2	-	2	3	F	S-U	SF	L	R	3	4	2	-	-	-	-	-	2	4	3	NK1677
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3	2	3	3	4	3	3	2	5	-	4	3	M	S-U	SF	L	DR	3	3	3	4	3	-	4	3	4	-	3	NK1701
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3	5	3	3	3	5	3	3	3	-	1	2	M	S-U	F	L	Pi	6	6	3	-	5	5	3	-	2	6	6	NK1860

= Field Forged Series

TEST WEIGHT
1 = High
9 = Low

EAR HEIGHT
1 = High
9 = Low

LEAF TYPE
U = Upright
S-U = Semi-Upright
P = Pendulum

HUSK COVER
S = Short
M = Medium
L = Long

DISEASE TOLERANCE
1 = High
9 = Low
- = Not Available

AGRONOMIC CHARACTERISTICS
1 = Best
9 = Worst
- = Not Available

PLANT HEIGHT
1 = Tall
9 = Short

ROOT TYPE
P = Penetrating
M = Modified
F = Fibrous

EAR FLEX
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

COB COLOR
DR = Dark Red
R = Red
Pi = Pink
W = White

DROUGHT
Artesian™ Water-Optimized Hybrid

NK Corn Hybrid Description Key

Hybrid Series: All hybrids within this series were developed from the same base genetics.

NK indicates NK corn.

Indicates the last two digits of **relative maturity**.

Randomly designated digits.

Trait versions available in this hybrid series.

Indicates product is part of the **Field Forged Series**.

Indicates **new series for 2023**.

Relative maturity of this hybrid series.

NK9347 • NEW NK9347-D Brand

FIELD FORGED
SERIES

NEW

RM 93

Top-end yield potential across high yield potential environments

- Outstanding stalks and very good roots for season-long standability
- Best performance when placed in-zone and south of zone
- Solid disease package with great late-season agronomics

RATING SCALE:

9 7 5 3 (Best) 1

EMERGENCE



ROOT STRENGTH



STALK STRENGTH



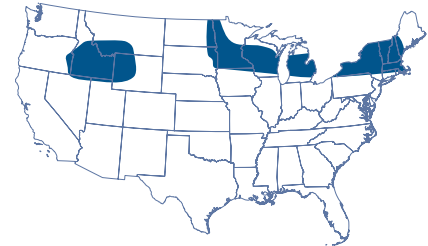
STAYGREEN



DRYDOWN



DROUGHT



Insect protection, herbicide tolerance and other traits.

Primary (dark blue) and, where applicable, secondary (light blue) **areas of adaptation** for this hybrid series. Areas are suggested; performance may vary.



NK8005

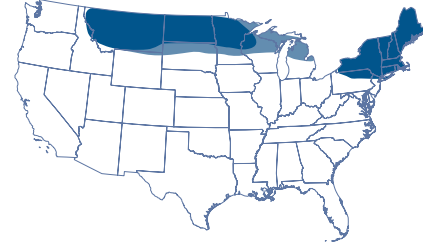
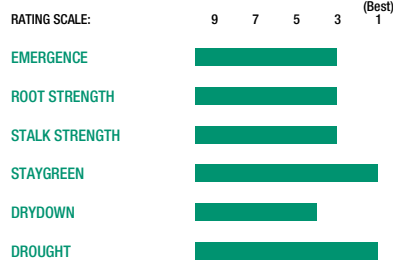
• NK8005-V Brand
• NK8005-GTA/LL Brand

FIELD FORGED
SERIES

RM 80

Superior yield potential combined with Artesian technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Broad adaptability that allows for wide placement across the Northern Corn Belt
- Heavy test weight



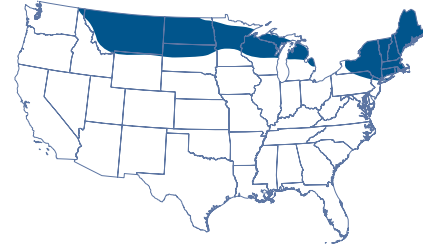
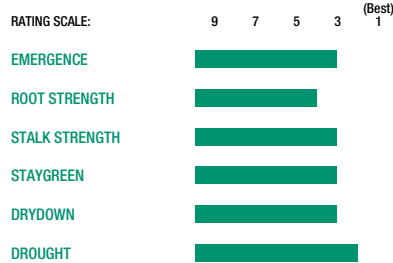
NK8519

• NK8519-V Brand

RM 85

Consistent performance across environments

- Strong stalks for season-long standability
- Outstanding drought tolerance for consistent yield potential
- Dependable emergence with excellent seedling vigor



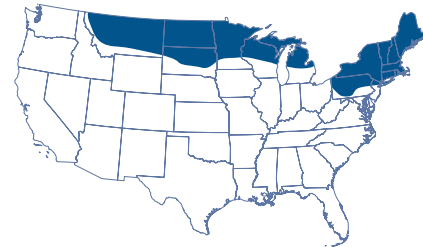
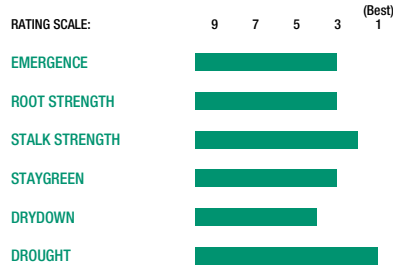
NK8618

• NK8618-AA Brand

RM 86

Elite genetics with Artesian technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Strong stalks and roots for season-long standability
- Superior drought tolerance with heavy test weight



NK8760

• NEW NK8760-V Brand

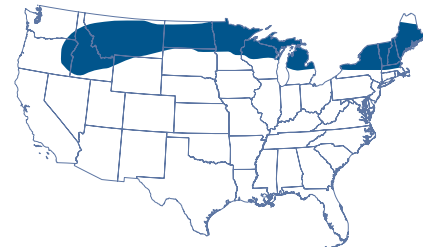
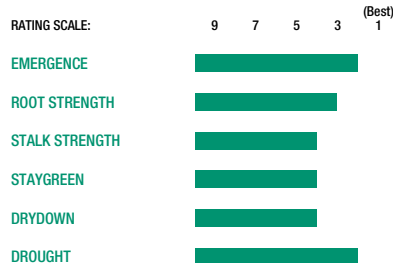
FIELD FORGED
SERIES

NEW

RM 87

Broadly adapted hybrid with excellent yield potential

- Outstanding drought tolerance for placement on variable to lighter soils
- Strong emergence that allows for early planting in cool soils
- Solid disease package with great late-season agronomics





I planted NK corn this year because it's been a **consistent performer** on my farm, which is one of the most important things to me. This year, I planted a brand-new hybrid, NK9175. And it's yielding right with that proven hybrid of past years, so that makes me really happy that I was able to plant that and **trust in NK genetics.**



Todd Hanten | FARMER
GOODWIN, SOUTH DAKOTA

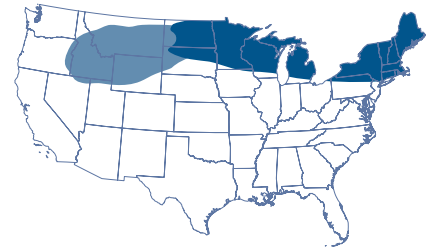
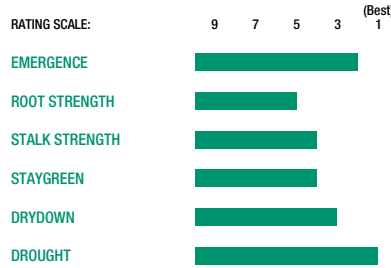
NK9175 • NK9175-DV Brand

FIELD FORGED
SERIES

RM 91

Top-end yield potential with broad adaptation

- Exceptional early disease package
- Consistent performance that brings exciting yield potential to this maturity range
- Outstanding drought tolerance in the Northern Corn Belt

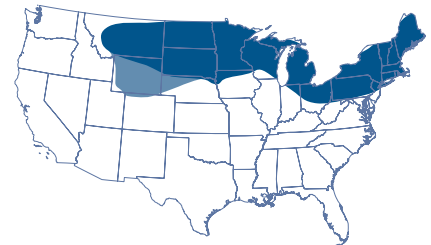
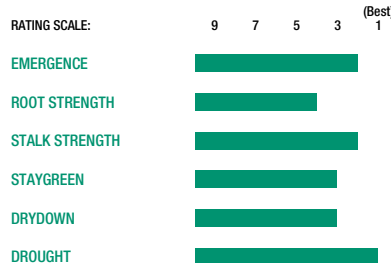


NK9227 • NK9227-V Brand

RM 92

Exciting yield potential paired with Artesian technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Superb stalk strength for ease of harvest
- Very good staygreen and drydown



NK9231 • NEW NK9231-AA Brand

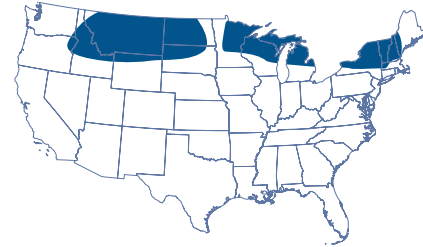
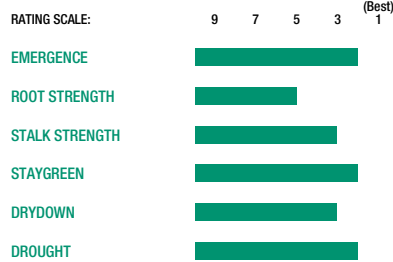
FIELD FORGED
SERIES

NEW

RM 92

Excellent yield potential with versatility across variable and drought-prone soils

- Strong emergence that allows for early planting in cool soils
- Sound stalks and staygreen for late-season standability
- Semi-flex hybrid allows for plant population flexibility



NK9347 • NEW NK9347-D Brand

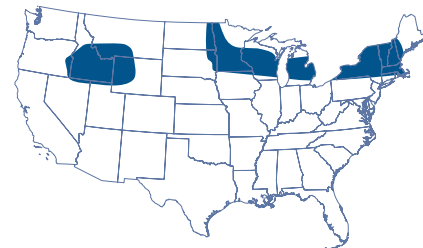
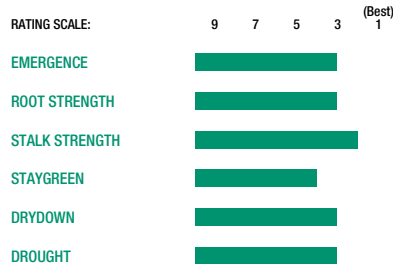
FIELD FORGED
SERIES

NEW

RM 93

Top-end yield potential across high yield potential environments

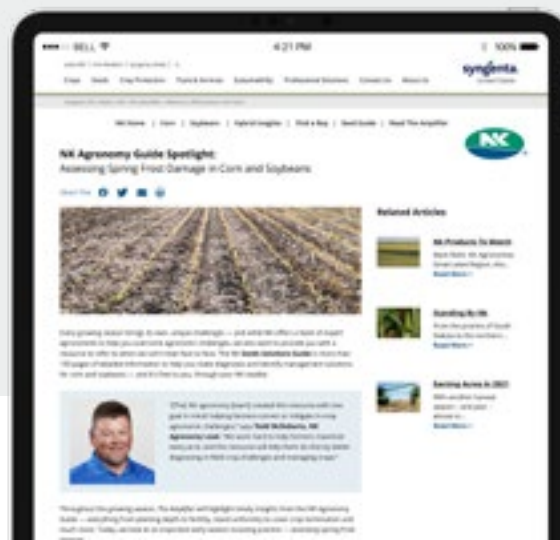
- Outstanding stalks and very good roots for season-long standability
- Best performance when placed in-zone and south of zone
- Solid disease package with great late-season agronomics



Get an ▶ **INSIDE LOOK** at What Sets NK Apart

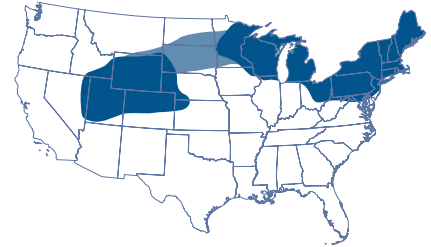
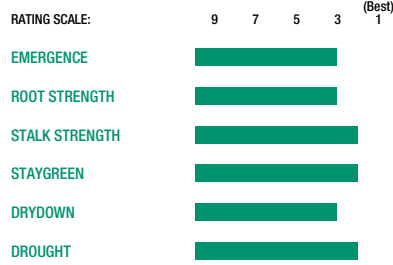
*Seasonal agronomic tips.
Product spotlights.
Farmer profiles.*

You'll find all this — and much more — on the NK blog, *The Amplifier*.
NKSeeds.com/TheAmplifier



Diverse genetics with exciting yield potential

- Broad adaptation across yield environments
- Superb stalks for season-long standability
- Solid agronomics for continuous corn acres



*There's nothing that has led me to switch from NK. When you look at the cost per acre, it's **really cost effective**. And what's impressed me the most is the **standability**.*



Steven Kruse | FARMER
GEORGE, IOWA



I plant NK Seeds hybrids and varieties because they [NK] are a diversified company **that has improved tremendously** in the last five years. I don't plant any other hybrids and haven't for a long time. Their new products are everything they say, and they're really following up on them.



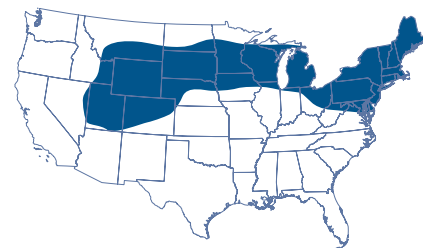
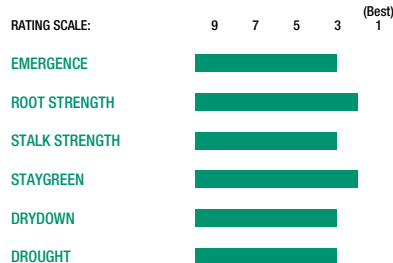
Rick Esch | FARMER
SPALDING, NEBRASKA

NK9991 • NK9991-D Brand

RM 99

High yield potential with strong agronomics

- Improved plant health with better roots and stalks
- Excellent choice for medium- to high-yield environments
- Broadly adapted hybrid with very good test weight



NK0007 • NEW NK0007-AA Brand

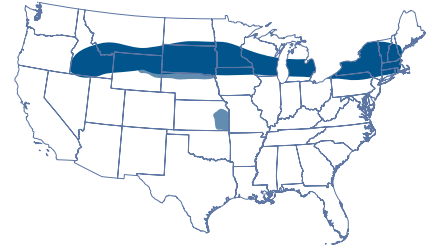
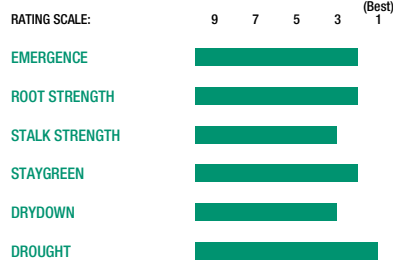
FIELD FORGED
SERIES

NEW

RM 100

Excellent yield potential with strong roots and stalks

- Outstanding emergence for an early planting option
- Leading drought tolerance powered by Artesian technology
- Semi-determinate ear type and strong standability support higher populations for maximum yield potential



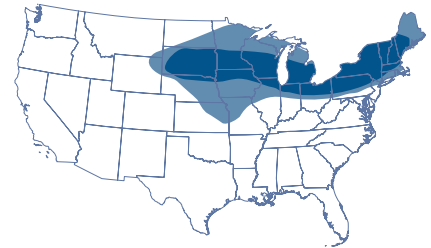
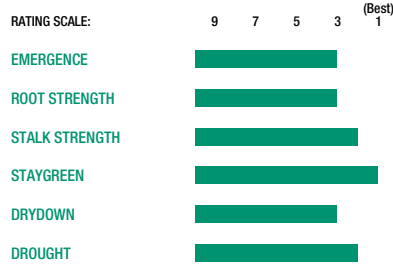
NK0243 • NK0243-D Brand
• NK0243-AA Brand

FIELD FORGED
SERIES

RM 102

Excellent agronomics in a broadly adapted hybrid

- Strong stalks and roots to deliver season-long standability
- Strong late-season plant health for harvest flexibility
- Great emergence and vigor for fast stand establishment in cooler environments



@NKSeeds

@NKSeeds

@NKSeeds_US

Join the
NK
COMMUNITY

Stay in the loop on all things NK by following us on social media for the latest updates, contests, season highlights and so much more. Join the conversation by sharing your NK experience this season!

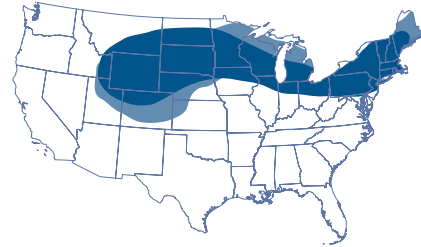
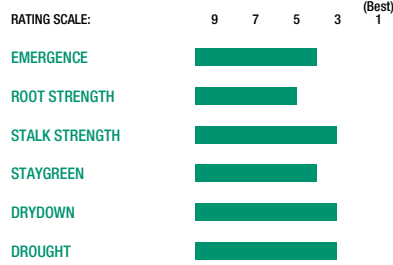
NK0440 • NK0440-AT Brand



RM 104

Tall, attractive plant type that delivers yield potential through variable environments

- Adapted to all soil types for ease of placement
- Strong stalks for harvest flexibility
- Semi-flex ear that enables competitive yields across diverse environments

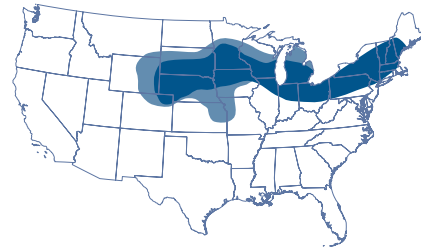
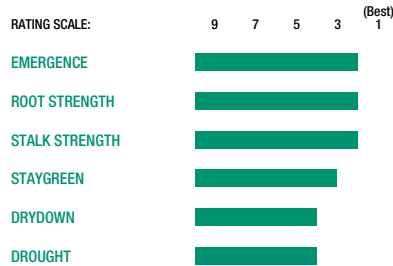


NK0472 • NK0472-DV Brand

RM 104

Elite performance across highly productive acres

- Excellent test weight and grain quality on a semi-determinate ear
- Great stalks and roots that support increased planting populations to maximize yield potential
- Consistent performance across all crop rotations



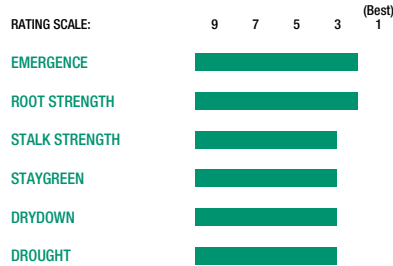
NK0696 • NEW NK0696-D Brand

NEW

RM 106

Strong performance with broad adaptation for the Central and Eastern Corn Belt

- Solid agronomics for season-long standability
- Excellent early-season vigor for early planting
- Excels on variable to poorly drained soils



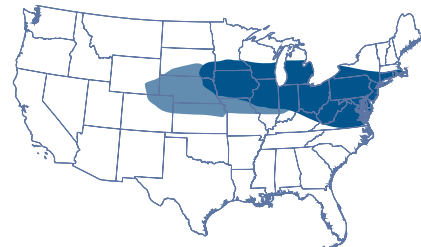
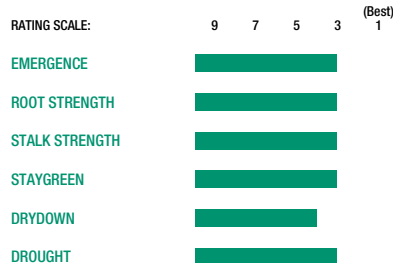
NK0748 • NK0748-D Brand
• NK0748-AA Brand



RM 107

Broadly adapted with top-end yield potential

- Excels in medium- to fine-textured soils
- Strong emergence and vigor for no-till planting
- Very good stalk strength for ease of harvest

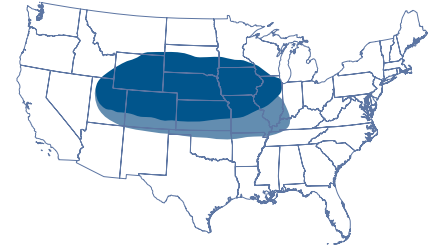
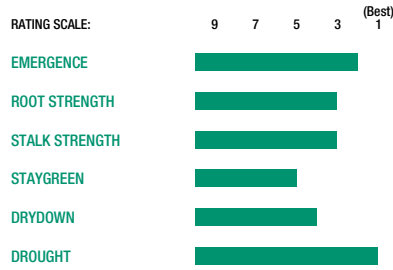


NK0821 • NK0821-D Brand

RM 108

Outstanding stalks and very good roots for season-long standability

- Maximizes yield when it rains; increases yield potential when it doesn't
- Very strong emergence that allows for early planting
- Good ear flex for population flexibility



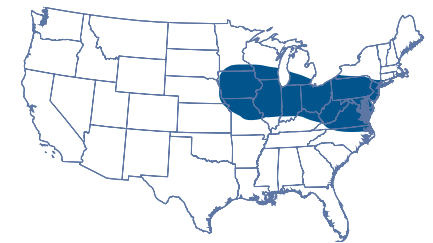
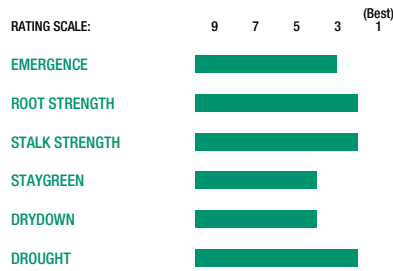
NK0877 • NK0877-V Brand

FIELD FORGED
SERIES

RM 108

Broadly adapted hybrid with consistent performance

- Outstanding disease tolerance in the Central and Eastern Corn Belt
- Very strong performance on heavy, poorly drained soils
- Excellent heat tolerance for yield stability

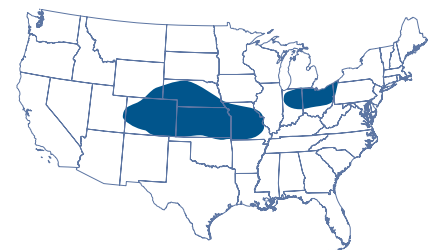
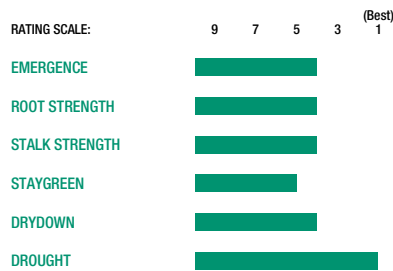


NK0962 • NK0962-DV Brand

RM 109

Exciting genetics with Artesian technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Population flexibility across all environments
- Top-end yield potential with stability when conditions are tough





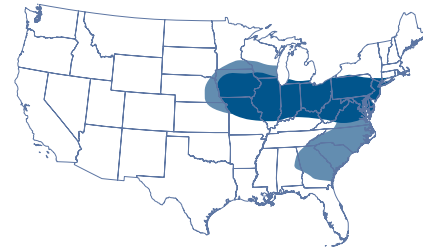
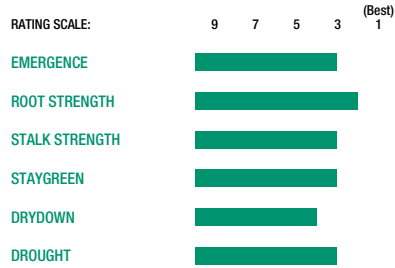
NK1026 : NK1026-DVZ Brand
: NK1026-VZ Brand

FIELD FORGED
SERIES

RM 110

Strong agronomics with high yield potential

- Improved plant health with better roots and stalks
- Excellent choice for higher-managed acres
- Strong adaptation for the Central to Eastern Corn Belt



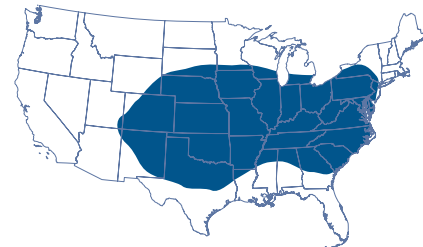
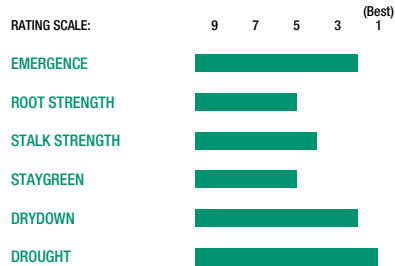
NK1082 : NK1082-DV Brand
: NK1082-V Brand

FIELD FORGED
SERIES

RM 110

Excellent yield potential across the entire Corn Belt with Artesian technology

- Broadly adapted hybrid for all yield environments
- Moderate plant stature with great emergence for earlier planting window
- Flexible trait offering for a step change in above- and below-ground management





NK hybrids probably had the least greensnap of anything around and the least amount of lodging. **Some of our best hybrids** – NK1523, NK1354, NK1188 – **they just stood perfect.**



Kurt Goertzen | FARMER
HENDERSON, NEBRASKA

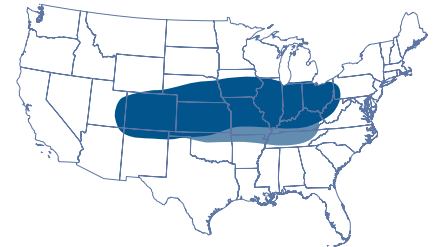
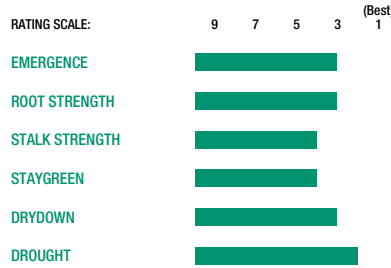
NK1188 • NK1188-D Brand
• NK1188-AA Brand

FIELD FORGED
SERIES

RM 111

Consistent yield potential and agronomics across environments

- Attractive plant height and ear placement
- Improved test weight and grain quality
- Dependable drought tolerance



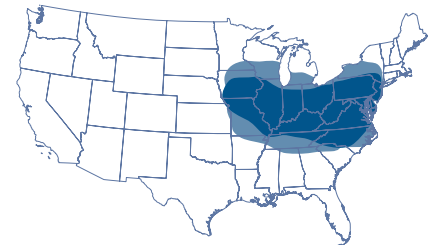
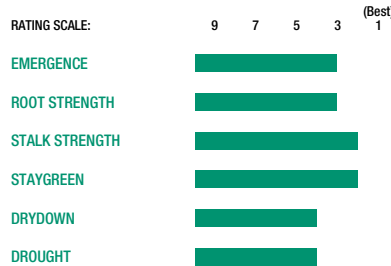
NK1239 • NK1239-D Brand

FIELD FORGED
SERIES

RM 112

Strong agronomics with good grain quality

- Improved plant integrity with better roots and stalks for this maturity group
- Good choice for higher-managed acres in the Central to Eastern Corn Belt
- Tall and leafy hybrid for dual-purpose silage potential

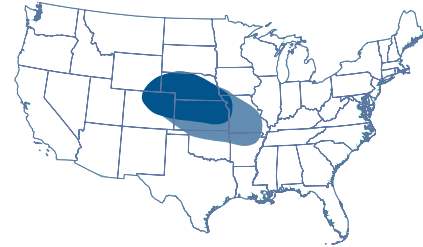
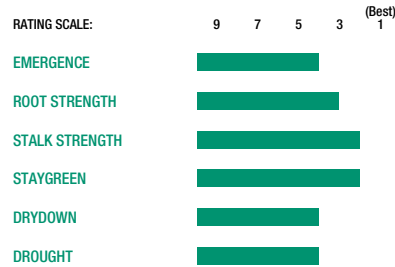


NK1349 • NK1349-V Brand

RM 113

Outstanding plant health and agronomics with yield potential

- Ability to maximize yield with population flexibility
- Improved test weight and grain quality
- Great dual-purpose silage option across many environments

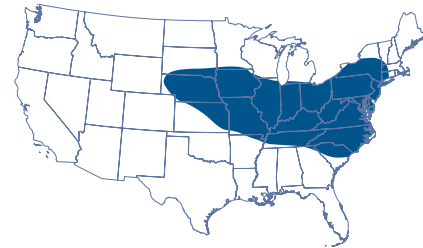
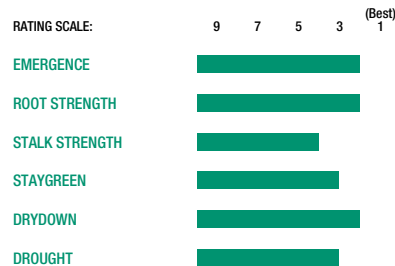


NK1354 • NK1354-DV Brand

RM 113

Excellent emergence and solid early vigor for a fast start

- Solid disease package to protect top-end yield potential
- Superb drydown for a quick harvest
- Good ear flex for population flexibility

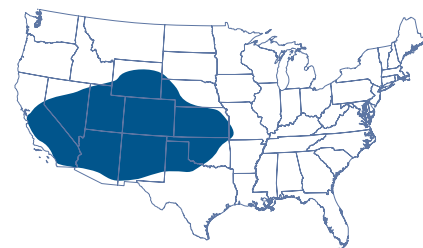
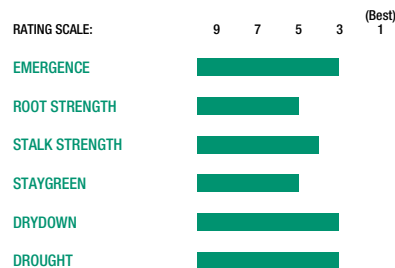


NK1364 • NK1364-3111 Brand

RM 113

Excellent tolerance to heat and moisture stress with western adaptation

- Excels in high-management acres of the Western Corn Belt
- Solid performance in drought-prone and variable soil types
- Rapid drydown that contributes to ease of harvest

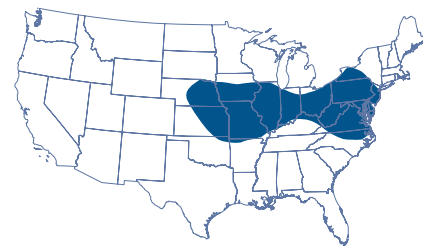
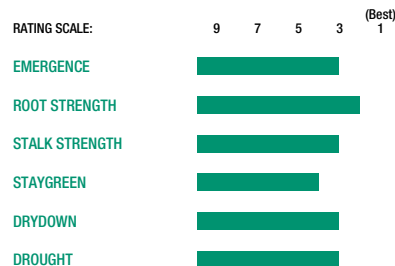


NK1452 • NK1452-AT Brand • NK1452-AA Brand

RM 114

Outstanding yield potential with an excellent agronomic package

- Strong emergence and seedling vigor
- Superb root strength and proven stalk strength
- Excellent choice for continuous corn acres

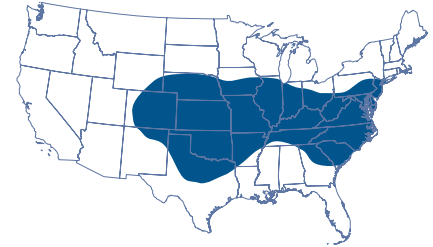
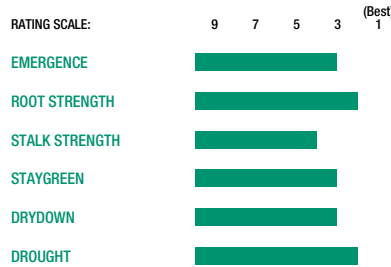


NK1460 • NK1460-DV Brand

RM 114

Broadly adapted hybrid with industry-leading trait options

- Industry-leading trait package for management of above- and below-ground insects
- Outstanding performance in the Central and Western Corn Belt
- Solid performance under limited irrigation or rainfall



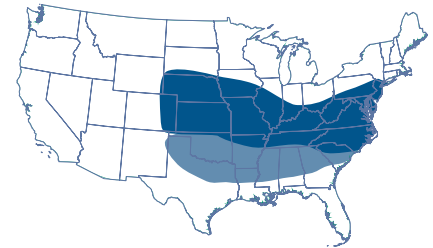
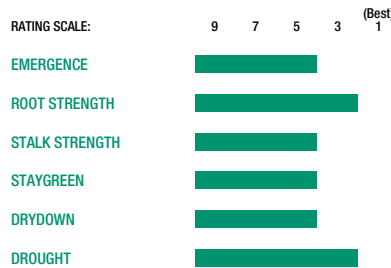
NK1523 • NK1523-V Brand

FIELD FORGED SERIES

RM 115

High-end yield potential with agronomic stability

- Consistent yield potential in a broadly adapted hybrid
- Strong and robust root structure
- Excellent yield potential with increased management

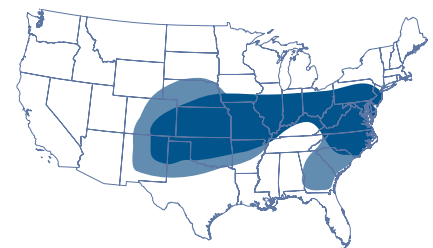
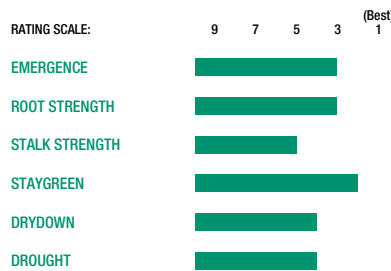


NK1573 • NK1573-DV Brand

RM 115

Strong agronomics with stable yield potential

- Population-driven for top-end performance
- Very good root and stalk strength for harvest flexibility
- Dependable staygreen to help maximize yield potential



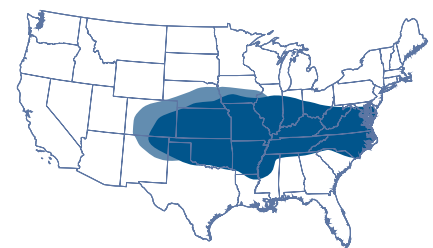
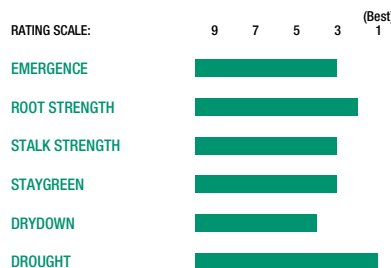
NK1661 • NK1661-DV Brand • NK1661-AA Brand

FIELD FORGED SERIES

RM 116

Excellent yield potential across the entire Corn Belt with Artesian technology

- Strong disease package and plant health provide crop rotation flexibility
- Dependable stalks and roots that allow for population flexibility across all environments
- Performs best on the medium- to fine-soil texture types



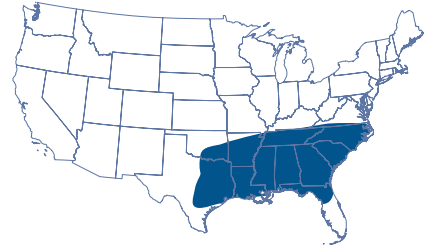
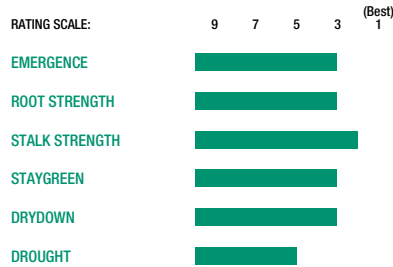
NK1677 • NK1677-3110 Brand

FIELD FORGED
SERIES

RM 116

True southern hybrid; position for success on the highly productive acres

- Higher-yield potential hybrid that responds to management
- Improved test weight and grain quality with desirable ear placement and husk cover
- Excellent combination of strong stalks and roots

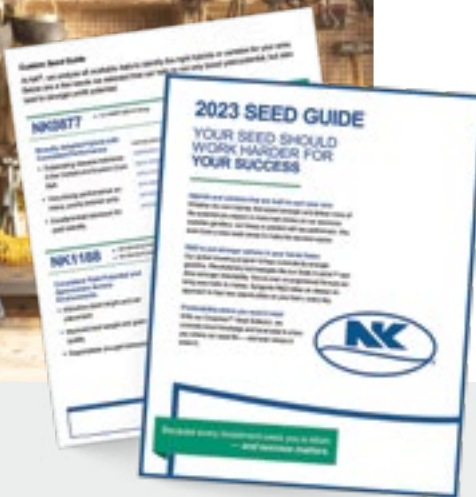
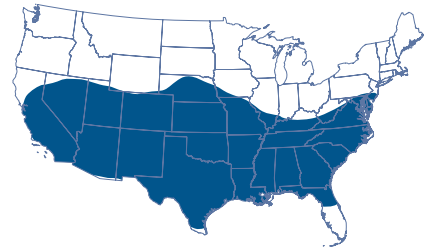
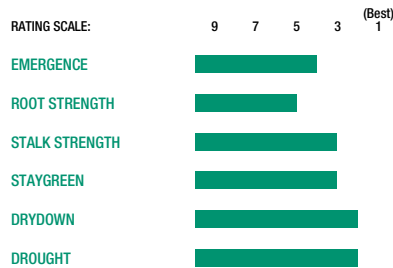


NK1694 • NK1694-3111 Brand
• NK1694-GT Brand

RM 116

Broadly adapted product with superior yield potential

- Well adapted to drought-prone soils
- Yields well in high-disease environments, despite average Gray Leaf Spot resistance
- Stable plant and ear height across rolling stress environments



Create

CUSTOM GUIDES

Want a more tailored experience for your area?

Customize and print your own seed guide at NKSeeds.com/CustomGuide.

NK1701 • NEW NK1701-V Brand

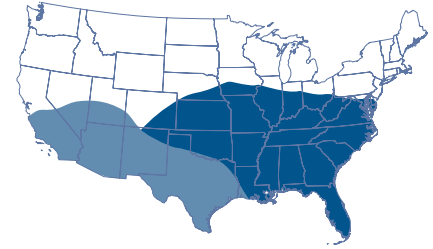
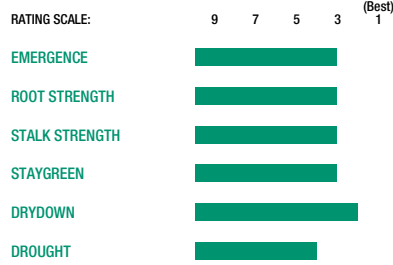
FIELD FORGED
SERIES

NEW

RM 117

Excellent yield potential with strong agronomics

- Very good stalk and root strength for late-season standability
- Strong performance in medium- and high-yield environments
- Moderate plant stature with a very strong disease package



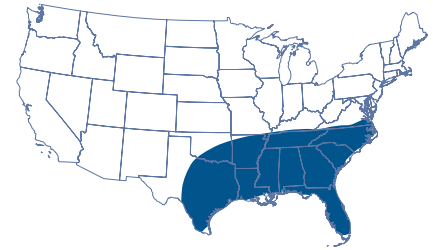
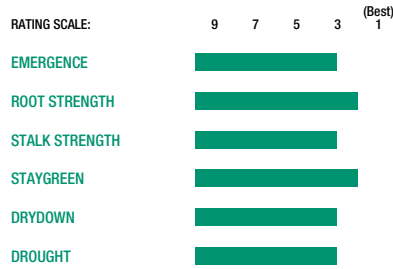
NK1748 • NK1748-3110 Brand

FIELD FORGED
SERIES

RM 117

Improved consistency of agronomics and yield potential across all environments

- Improved agronomics with stable yield potential
- Very strong roots with moderate plant and ear height
- Improvement in test weight and grain quality



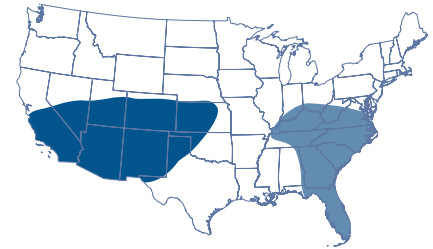
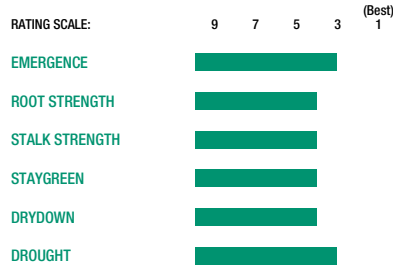
NK1755 • NEW NK1755-DV Brand

NEW

RM 117

Very good choice for dual-purpose silage and grain

- Very good choice for moderate- to high-yield environments
- Semi-flex ear type allows for population flexibility
- Strong foliar disease package to protect yield potential





*NK corn has always performed well for me.
In my trials, **NK has always been right at the top**, so I've stayed with it.*



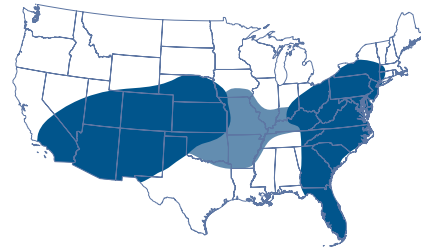
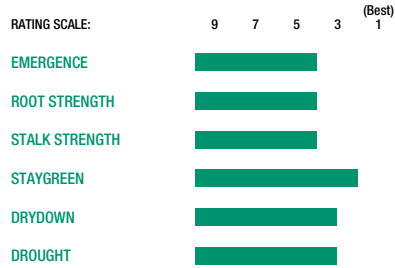
Ronald Wingfield FARMER
COLUMBUS GROVE, OHIO

NK1808 • NK1808-3111 Brand

RM 118

Broadly adapted with a complete agronomic package

- Strong choice for highly productive irrigated and dryland systems
- Tall plant type with good stalks for improved standability
- Great plant health and staygreen to promote late-season intactness



NK1838 • NEW NK1838-3110 Brand

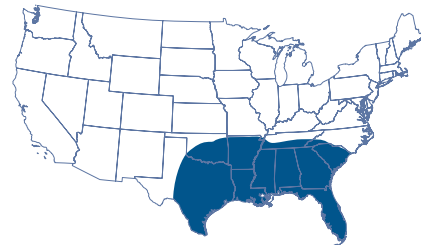
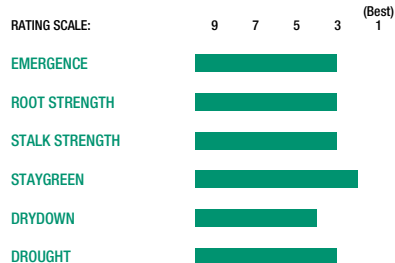
FIELD FORGED
SERIES

NEW

RM 118

High yield potential hybrid that excels in productive environments

- Strong roots with excellent staygreen
- Tall plant with a larger canopy for dual-purpose silage
- Outstanding ear flex



Corn Silage Hybrid Selection

NK Hybrid Series	Maturity	CHARACTERISTICS						DISEASE TOLERANCE ¹			AGRONOMIC RESEARCH RATINGS ²													
		AGRONOMIC				PLANT		Gray Leaf Spot	Goss's Wilt	Tar Spot	Yield (Tons/A)	Crude Protein (% of DM)	NDF 48 hr (% of DM)	NDF Dig. 48 hr (% of NDF)	Starch (% of DM)	Fat (% of DM)	TDN (% of DM)	NEL (Mcal/lb)	Milk (lbs/Ton)	Milk (lbs/A) ³	Beef (lbs/Ton)	Beef (lbs/A)		
		Emergence	Root Strength	Drought	Staygreen	Plant Height	Ear Height																	
Ⓔ	NK8005	80	3	3	1	1	5	4	-	4	-	F	B	B	G	G	G	G	G	G	G	G	G	G
	NK8204	82	3	2	4	4	4	4	-	4	-	F	F	G	G	F	F	F	F	G	F	G	F	F
	NK8519	85	3	4	2	3	3	4	-	4	-	G	B	G	G	G	G	G	G	G	B	G	B	B
	NK8618	86	3	3	1	3	3	5	-	4	2	F	F	F	G	G	G	F	F	F	F	F	F	F
Ⓔ NEW	NK8760	87	2	3	2	4	4	4	-	4	2	P	F	G	G	G	F	G	G	G	F	G	F	F
	NK8881	88	3	3	1	4	3	5	-	3	-	G	G	G	G	B	-	G	-	G	F	G	F	F
	NK9023	90	3	4	3	3	2	2	-	5	-	G	B	G	F	G	G	F	F	F	G	F	G	G
Ⓔ	NK9175	91	2	5	1	4	3	4	-	4	2	G	G	B	G	B	B	G	G	G	G	G	G	G
	NK9227	92	2	4	1	3	2	2	-	4	3	G	G	F	G	G	F	G	F	G	B	G	B	B
Ⓔ NEW	NK9231	92	2	5	2	2	2	3	3	6	4	B	G	B	G	B	G	B	B	B	G	B	B	G
Ⓔ NEW	NK9347	93	3	3	3	4	4	5	3	4	4	G	F	G	G	F	G	G	G	G	G	G	G	G
	NK9535	95	3	3	2	2	3	4	4	3	3	G	G	B	G	B	B	G	G	G	G	G	G	G
	NK9653	96	2	3	2	3	2	2	3	4	2	B	G	G	G	G	G	G	G	G	B	G	B	B
	NK9991	99	3	2	3	2	3	3	2	5	4	F	G	G	G	G	F	G	G	G	F	G	F	F
Ⓔ NEW	NK0007	100	2	2	1	2	5	5	3	6	4	F	G	B	G	B	B	B	G	G	G	B	B	B
Ⓔ	NK0243	102	3	3	2	1	5	5	3	3	4	G	G	G	G	G	B	B	B	B	G	B	B	G
	NK0314	103	3	3	4	3	4	3	5	3	4	F	G	G	F	G	G	G	G	G	F	G	F	F
	NK0330	103	4	4	3	5	3	3	4	4	3	G	G	G	G	B	B	G	G	F	G	G	G	G
Ⓔ	NK0440	104	4	5	3	4	2	2	4	3	4	G	G	F	G	F	F	G	G	G	G	G	G	G
	NK0472	104	2	2	4	3	4	4	4	3	3	G	B	P	G	F	B	F	F	F	G	F	F	F
	NK0624	106	3	3	2	4	4	5	5	4	5	F	G	B	B	G	G	G	G	G	F	G	F	F
NEW	NK0696	106	2	2	3	3	5	4	3	4	5	B	B	B	G	B	G	G	G	G	B	G	B	B
Ⓔ	NK0748	107	3	3	3	3	3	3	3	5	5	B	G	G	F	F	G	G	G	G	B	B	B	B
	NK0821	108	2	3	1	5	4	5	4	3	4	G	G	F	F	F	F	G	G	G	F	G	F	F
Ⓔ	NK0877	108	3	2	2	4	5	5	5	4	-	G	G	G	G	G	F	F	F	F	G	G	G	G
	NK0962	109	4	4	1	5	5	3	5	4	4	G	G	G	G	G	G	G	G	G	G	G	G	G
Ⓔ	NK1026	110	3	2	3	3	3	2	2	3	3	G	G	G	F	G	G	G	G	G	F	G	G	G
Ⓔ	NK1082	110	2	5	1	5	5	6	4	3	4	G	F	B	G	B	B	G	G	G	G	G	G	G
Ⓔ	NK1188	111	3	3	2	4	4	6	4	6	4	G	G	G	F	F	F	G	G	G	F	G	F	G
Ⓔ	NK1239	112	3	3	4	2	2	4	3	3	2	B	F	P	F	P	F	G	G	G	G	F	G	G
	NK1349	113	4	3	4	2	3	3	3	3	3	G	G	B	G	B	B	G	G	G	G	G	G	G
	NK1354	113	2	2	3	3	4	4	4	3	4	G	F	G	G	G	P	G	G	G	F	G	F	F
	NK1364	113	3	5	3	5	4	5	6	4	-	G	G	F	G	G	G	B	G	B	G	B	F	F
	NK1452	114	3	2	3	4	3	2	5	4	3	G	F	B	G	B	B	B	B	B	B	B	B	B

Ⓔ = Field Forged Series

AGRONOMIC CHARACTERISTICS
 1 = Best
 9 = Worst
 - = Not Available











PLANT HEIGHT
 1 = Tall
 9 = Short

EAR HEIGHT
 1 = High
 9 = Low

DISEASE TOLERANCE
 1 = High
 9 = Low
 - = Not Available

AGRONOMIC RESEARCH RATINGS
 B = Best
 G = Good
 F = Fair
 P = Poor
 - = Not Available

DROUGHT
 Artesian™ Water-Optimized Hybrid

PRODUCT	MATURITY	CHARACTERISTICS						DISEASE TOLERANCE ¹			AGRONOMIC RESEARCH RATINGS ²											
		AGRONOMIC				PLANT		Gray Leaf Spot	Goss's Wilt	Tar Spot	Yield (Tons/A)	Crude Protein (% of DM)	NDF 48 hr (% of DM)	NDF Dig. 48 hr (% of NDF)	Starch (% of DM)	Fat (% of DM)	TDN (% of DM)	NEL (Mcal/lb)	Milk (lbs/Ton)	Milk (lbs/A) ³	Beef (lbs/Ton)	Beef (lbs/A)
		Emergence	Root Strength	Drought	Staygreen	Plant Height	Ear Height															
NK Hybrid Series	Relative Maturity	Emergence	Root Strength	Drought	Staygreen	Plant Height	Ear Height	Gray Leaf Spot	Goss's Wilt	Tar Spot	Yield (Tons/A)	Crude Protein (% of DM)	NDF 48 hr (% of DM)	NDF Dig. 48 hr (% of NDF)	Starch (% of DM)	Fat (% of DM)	TDN (% of DM)	NEL (Mcal/lb)	Milk (lbs/Ton)	Milk (lbs/A) ³	Beef (lbs/Ton)	Beef (lbs/A)
 NK1460	114	3	2	2	3	3	2	4	4	3	G	G	B	G	B	F	G	G	G	G	G	G
 NK1523	115	4	2	2	4	3	5	4	4	2	G	G	G	G	F	G	B	B	G	G	G	G
 NK1573	115	3	3	4	2	4	5	3	4	7	B	G	B	G	B	G	G	G	G	G	G	G
 NK1661	116	3	2	1	3	3	3	3	3	4	G	F	G	G	B	G	G	G	G	G	G	G
 NK1677	116	3	3	5	3	2	3	3	2	-	G	G	P	G	P	G	G	G	G	B	G	B
 NK1694	116	4	5	2	3	4	4	5	3	3	G	F	G	G	G	G	G	B	G	G	B	G
 NK1701	117	3	3	4	3	4	3	3	3	3	F	G	G	G	G	G	G	G	G	F	G	G
 NK1748	117	3	2	3	2	4	3	3	3	-	B	G	G	G	G	G	G	G	G	B	G	B
 NK1755	117	3	4	3	4	3	5	3	3	-	G	B	F	B	F	G	G	G	B	B	B	B
NK1808	118	4	4	3	2	3	3	3	4	2	G	B	F	G	F	F	G	G	G	B	G	B
NK1822	118	4	4	4	5	2	3	6	5	-	F	G	B	B	B	G	G	G	G	G	G	G
 NK1838	118	3	3	3	2	2	4	4	3	-	G	G	P	G	P	G	G	G	G	G	G	G
NK1860	118	3	3	3	3	1	2	6	3	-	B	G	G	G	G	F	G	G	G	B	G	B

Yield: Calculated on a per-acre basis and adjusted to standard moisture.

Crude Protein: Indicates the percent content of feed component relative to other hybrids.

Neutral Detergent Fiber 48 Hour (NDF 48 hr): Measure of the indigestible and slowly digestible components of the silage.

Neutral Detergent Fiber Digestibility 48 Hour (NDF Dig. 48 hr): Estimates the ruminant digestibility of the NDF fraction.

Starch: Indicates the percentage of feed component that is starch.

Fat: Indicates the percentage of feed component that is fat.

Total Digestible Nutrients (TDN): Sum of the digestibility of different nutrients.

Net Energy for Lactation (NEL): Feed effect on net energy for lactating cows based on acid detergent fiber (ADF).

Milk/Ton: An estimate of forage quality driven by starch content, starch digestibility and NDF.

Milk/A: Combines the estimate of forage quality (Milk/Ton) and yield (Tons/A) into a single term.³

Beef/Ton: A proprietary estimate of forage quality driven by TDN.

Beef/A: Combines the estimate of forage quality (Beef/Ton) and yield (Tons/A) into a single term.

¹ Disease and insect ratings are not absolute; environmental conditions and certain cultural practices, such as continuous corn, play a critical role in disease development and insect infestation, which can predispose plants to secondary diseases such as stalk and ear rots. If conditions are severe, even hybrids rated as resistant can be adversely affected. Farmers should balance yield potential, hybrid maturity and cultural practices against the anticipated risk of disease or insect pressure. Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta.

² Digestibility ratings are based on NIR and in vitro digestibility analysis. Milk performance estimates are generated from University of Wisconsin equations. Comparisons should be made only among hybrids within a maturity group. Although actual silage yield and quality analysis of a hybrid will vary with environment, the relative ranking of a hybrid will be similar. These ratings are a relative performance guide. Conduct a laboratory test to determine actual silage quality when balancing a feed ration. These ratings should not be used to estimate actual production per animal, but instead used to determine relative overall silage quality and yield of each hybrid.

³ fji.uwex.edu/forage/files/2016/11/Milk-2016-Combining-Yield-and-Quality-into-a-Single-Term-2.pdf



Enogen® hybrids contain a robust, efficient alpha-amylase enzyme that unlocks energy from each kernel. Whether it's for feed or fuel, you can help **increase efficiency** in your operation with Enogen.

ENOGEN CORN FOR FEED

Improved Efficiency for Fields, Feedlots and Dairies

Enogen corn offers proven, **high-yielding** corn hybrids that can help **deliver improved feed efficiency** to help lower feed costs for feedlots and dairy operations.



- **Improved feed efficiency of about 5%**, when fed as silage or grain.¹
- **Farm-proven results**, demonstrating excellent yield potential with elite genetics and traits.
- **Ultimate flexibility**, with the option to harvest as silage, high-moisture corn or grain.
- **Silage quality and consistency**, delivering greater levels of starch digestibility and more immediately available nutrients from day one after harvest and for more than eight months in the silo.²



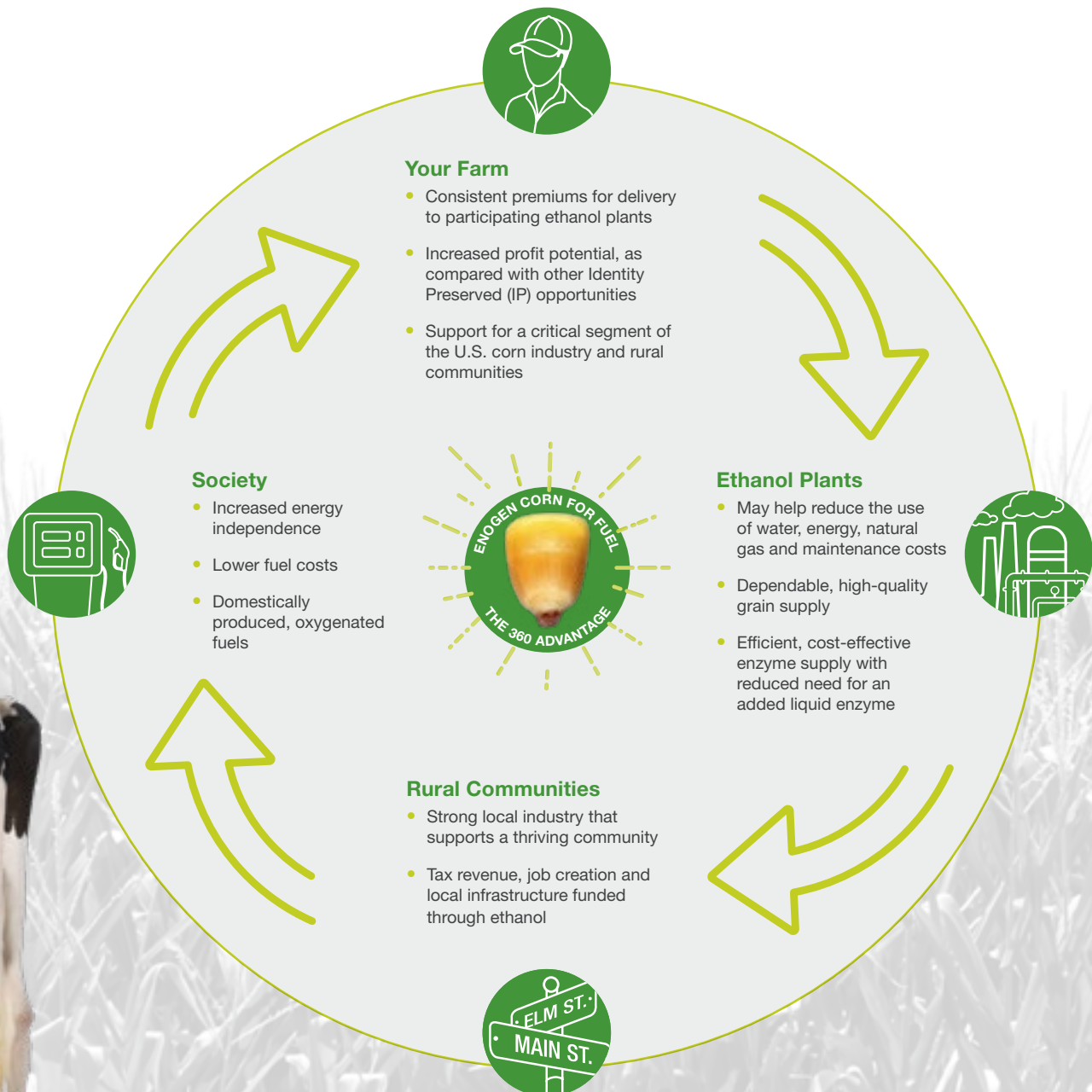
¹ University of Nebraska-Lincoln Research Studies, 2013-2017; Kansas State University Research Study, 2017; Pennsylvania State University, 2019.

² Syngenta Contract Research 2019; estimated from linear regressions for each hybrid type, $R^2 > 84\%$ (Enogen, $n = 104$; Other, $n = 64$).

ENOGEN CORN FOR FUEL










See the 360 Advantage

Enogen hybrids offer the **first biotech corn output trait** designed for ethanol production with advantages on, and beyond, the farm.



Enogen Corn Characteristics

RM 80-118

PRODUCT	TRAIT OFFERS ¹		MATURITY INFORMATION			AGRONOMIC CHARACTERISTICS									
	Above- and Below-Ground Insect Protection with E-Z Refuge	Above- and Below-Ground Insect Protection	Relative Maturity (RM)	GDUs to Silk	GDUs to Black Layer	Emergence	Seedling Vigor	Root Strength	Stalk Strength	Drought	Greensnap	Staygreen	Drydown	Test Weight	Blunt Ear
Enogen Hybrid Series															
 E080Q1	D		80	1150	1810	3	3	3	3	1	3	1	4	2	-
E086J9	D		86	1200	2140	3	3	3	2	1	4	3	4	2	1
 E092W5	D		92	1240	2300	2	2	5	4	1	3	4	3	3	6
E095D3	D		95	1280	2400	3	3	3	2	2	5	2	3	2	1
 NEW E100A3	D		100	1320	2445	3	2	3	3	2	4	2	3	4	-
E105T1		3000GT	105	1355	2550	2	2	5	2	2	4	2	3	4	2
E106Q6	D		106	1355	2560	3	3	3	3	2	3	4	3	5	-
 E107C1	D		107	1400	2500	3	4	2	3	3	5	3	4	3	-
 E110F4	D		110	1420	2620	3	3	4	4	3	2	4	2	4	-
 E111V7	D		111	1430	2600	3	3	2	3	2	3	4	3	2	-
 E112S5	D		112	1430	2630	3	2	3	2	4	5	2	4	4	-
E113N8		3000GT	113	1415	2630	3	4	5	4	3	4	5	3	6	-
E113Z5	D		113	1435	2650	2	2	2	4	3	3	3	2	4	-
E116K4		3000GT	116	1465	2690	4	3	5	3	2	3	3	2	4	-
E118D8		3000GT	118	1480	2700	4	4	4	3	3	3	2	3	2	-

TRAITS

Above- and Below-Ground Insect Protection with E-Z Refuge

D = Duracade™ (formerly Agrisure Duracade® 5122 E-Z Refuge®, Agrisure Duracade® 5122A E-Z Refuge®)

Above-Ground Insect Protection

3000GT = Agrisure® 3000GT

Herbicide Tolerance for Enogen Hybrids

	EVT TYPE	GLYPHOSATE	GLUFOSINATE
Duracade™	EZT1	X	X
	EZT0	X	
Agrisure® 3000GT	EVTL	X	X
	No EVT	X	X



PLANT CHARACTERISTICS							DISEASE TOLERANCE ²												PRODUCT
Plant Height	Ear Height	Root Type	Leaf Type	Ear Flex ³	Husk Cover	Cob Color	Gray Leaf Spot	Northern Corn Leaf Blight	Goss's Wilt	Bacterial Leaf Streak	Southern Corn Leaf Blight	Eyespot	Anthraxnose Stalk Rot	Tar Spot	Fusarium Crown Rot	Common Rust	Southern Rust	Enogen Hybrid Series	
5	4	M	U	SF	M	R	-	4	4	-	-	3	4	2	3	-	-	E080Q1	
3	5	M	S-U	SF	M	R	-	3	4	-	-	3	2	4	2	-	-	E086J9	
3	4	M	U	SF	M	R	-	3	4	-	-	3	4	-	5	-	-	E092W5	
3	4	F	S-U	F	M	R	4	5	3	4	-	2	3	4	3	4	-	E095D3	
4	4	P	S-U	SF	M	R	3	3	4	3	-	-	3	4	4	-	-	E100A3 NEW	
2	3	M	U	SF	M	Pi	4	5	3	4	4	4	2	3	2	3	-	E105T1	
4	5	M	U	SF	M	R	5	2	4	4	3	5	-	4	4	-	4	E106Q6	
1	4	M	S-U	SF	M	Pi	3	4	5	5	3	-	5	3	4	-	4	E107C1	
4	3	M	S-U	F	M	R	4	3	3	2	4	-	6	2	4	-	3	E110F4	
4	6	F	U	SF	L	Pi	4	3	6	4	6	-	3	3	3	7	4	E111V7	
2	4	M	U	SF	M	R	3	3	3	4	6	-	3	2	3	7	4	E112S5	
4	5	F	S-U	F	M	W	6	4	4	5	2	6	4	-	4	3	6	E113N8	
4	4	M	S-U	SD	M	R	4	3	3	3	4	4	-	-	4	7	5	E113Z5	
4	4	M	P	F	M	Pi	5	4	3	4	3	5	3	-	4	6	5	E116K4	
2	3	M	S-U	SF	L	R	3	3	4	3	3	5	-	-	4	3	3	E118D8	



ENOGEN CORN

= Field Forged Series

TEST WEIGHT
1 = High
9 = Low

EAR HEIGHT
1 = High
9 = Low

LEAF TYPE
U = Upright
S-U = Semi-Upright
P = Pendulum

HUSK COVER
S = Short
M = Medium
L = Long

DISEASE TOLERANCE
1 = High
9 = Low
- = Not Available

AGRONOMIC CHARACTERISTICS
1 = Best
9 = Worst
- = Not Available

PLANT HEIGHT
1 = Tall
9 = Short

ROOT TYPE
P = Penetrating
M = Modified
F = Fibrous

EAR FLEX
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

COB COLOR
DR = Dark Red
R = Red
Pi = Pink
W = White

DROUGHT
Artesian™ Water-Optimized Hybrid

¹ Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium-based herbicides.

² Disease and insect ratings are not absolute; environmental conditions and certain cultural practices, such as continuous corn, play a critical role in disease development and insect infestation, which can predispose plants to secondary diseases such as stalk and ear rots. If conditions are severe, even hybrids rated as resistant can be adversely affected. Farmers should balance yield potential, hybrid maturity and cultural practices against the anticipated risk of disease or insect pressure. Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta.

³ Flex hybrids adjust to growing conditions by changing ear length or kernel depth. Determinate hybrids are less able to adjust ear size. Plant population is considered more important for a determinate-ear hybrid than for a flex-ear hybrid.

Enogen Corn Description Key

Hybrid Series: All hybrids within this series were developed from the same base genetics.

E indicates Enogen corn.

Indicates **relative maturity**.

Randomly designated digits.

Trait versions available in this hybrid series.

Indicates product is part of the **Field Forged Series**.

Indicates **new series for 2023**.

Relative maturity of this hybrid series.

E100A3 • NEW E100A3-D Brand

FIELD FORGED
SERIES

NEW

RM 100

High yield potential, dual-purpose hybrid combined with excellent nutritional value

- Strong agronomics that allow for movement across many environments
- Very good performance across all soil types
- Semi-flex ear type with sound agronomics for population flexibility

RATING SCALE:

9 7 5 3 (Best) 1

EMERGENCE



ROOT STRENGTH



STALK STRENGTH



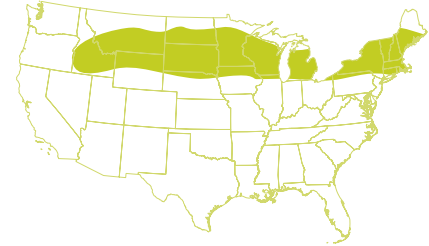
STAYGREEN



DRYDOWN



DROUGHT



Duracade

Insect protection, herbicide tolerance and other traits.

Primary (dark green) and, where applicable, secondary (light green) **areas of adaptation** for this hybrid series. Areas are suggested; performance may vary.



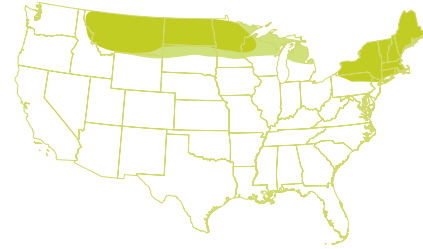
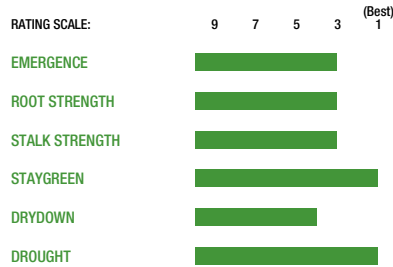
E080Q1 • E080Q1-D Brand

FIELD FORGED
SERIES

RM 80

Consistent potential across a wide range of yield environments

- Maximizes yield when it rains; increases yield potential when it doesn't
- Very good root strength
- Excellent test weight

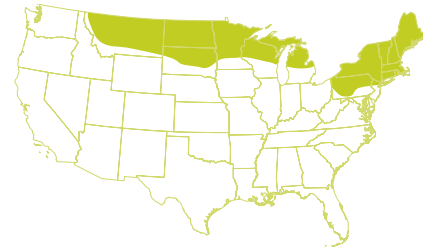
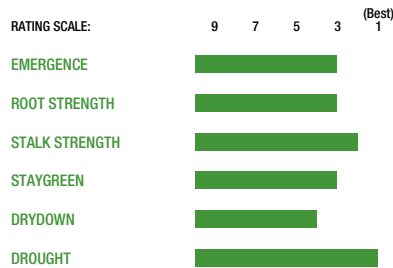


E086J9 • E086J9-D Brand

RM 86

Elite genetics with Artesian technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Strong stalks and roots for season-long standability
- Superior drought tolerance with heavy test weight



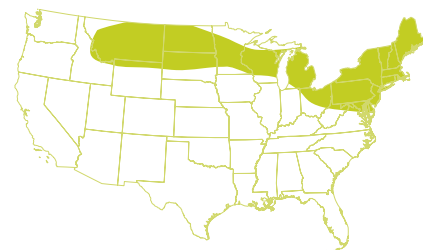
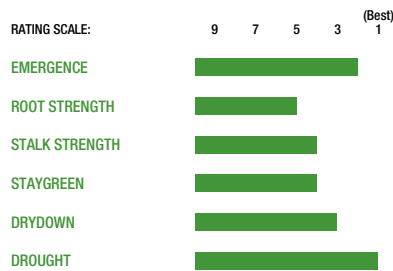
E092W5 • E092W5-D Brand

FIELD FORGED
SERIES

RM 92

Dominating performance with Artesian technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Strong emergence and seedling vigor for a fast start
- Broad adaptation across all soils and yield environments

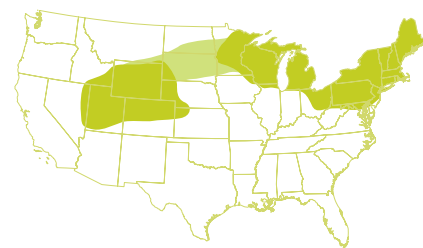
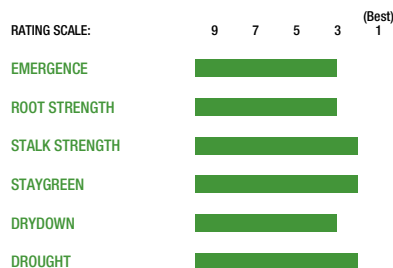


E095D3 • E095D3-D Brand

RM 95

Diverse genetics with exciting yield potential

- Broad adaptation across yield environments
- Superb stalks for season-long standability
- Solid agronomics for continuous corn acres



E100A3 • NEW E100A3-D Brand

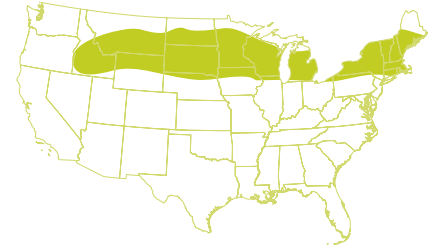
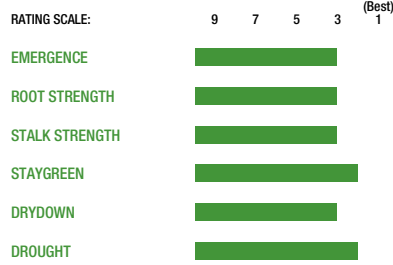


NEW

RM 100

High yield potential, dual-purpose hybrid combined with excellent nutritional value

- Strong agronomics that allow for movement across many environments
- Very good performance across all soil types
- Semi-flex ear type with sound agronomics for population flexibility



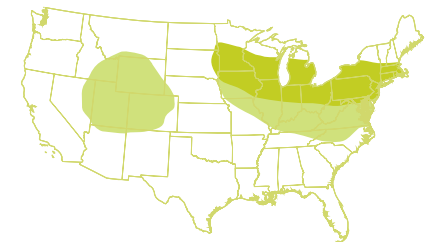
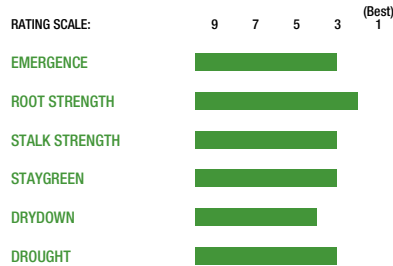
E107C1 • E107C1-D Brand



RM 107

Lead Enogen hybrid for the central and eastern silage markets

- Excellent choice for continuous corn acres
- Stable performance with good heat stress tolerance
- Characteristics built for the silage market



“ Everyone’s looking for that little bit of an edge to be more efficient and more profitable. We feel Enogen helped us improve starch digestibility. Efficiency is key in the dairy business. **Efficiency equals profitability.** ”



Jared Galbreath | DAIRY FARMER
PEACH BOTTOM, PENNSYLVANIA



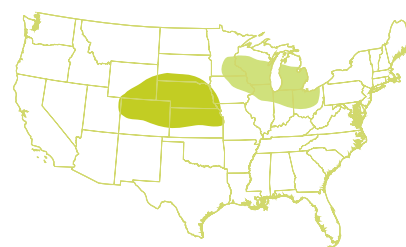
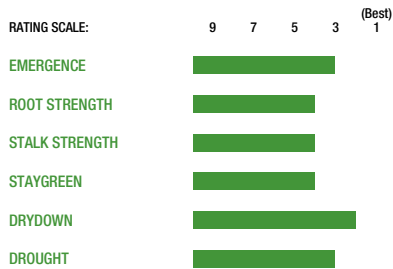
E110F4 • E110F4-D Brand

FIELD FORGED
SERIES

RM 110

Robust Enogen hybrid may enhance feed efficiency

- Outstanding disease package for optimal performance
- Excellent tolerance to greensnap with good stalk strength
- Great flexibility for various soil types and crop rotation



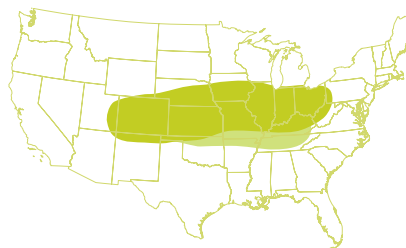
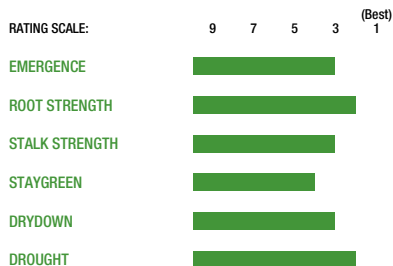
E111V7 • E111V7-D Brand

FIELD FORGED
SERIES

RM 111

Versatility across soil types combined with strong drought tolerance

- Moderate plant type with strong roots to aid standability
- Fast drydown and good grain quality
- Dependable emergence in stress environments



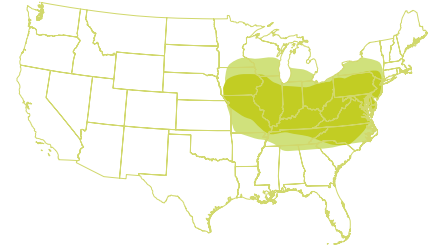
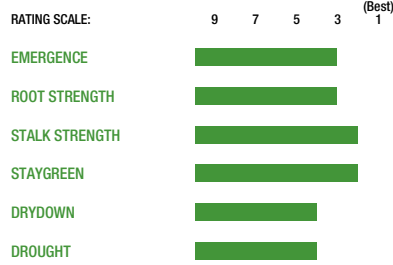
E112S5 • E112S5-D Brand



RM 112

Outstanding stalks for late-season standability

- Very good staygreen and late-season intactness
- Strong disease tolerance to Northern Corn Leaf Blight and Gray Leaf Spot
- Good ear flex that provides population flexibility

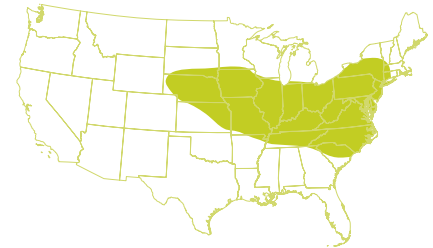
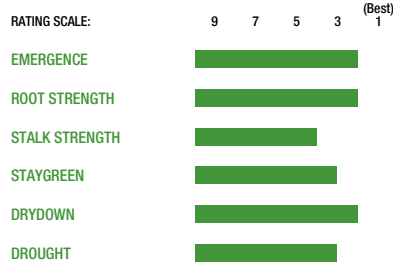


E113Z5 • E113Z5-D Brand

RM 113

Excellent emergence and solid early vigor

- Good disease tolerance
- Excellent drydown
- Performs well under a wide range of populations



As far as trying Enogen, I would say, if you are a farm that's tight on feed and you know that you're going to be having to feed some early, it's a no-brainer. Consistency throughout the year, that's been right up there too. **You've got me signed up for another year.** I'll keep planting it.



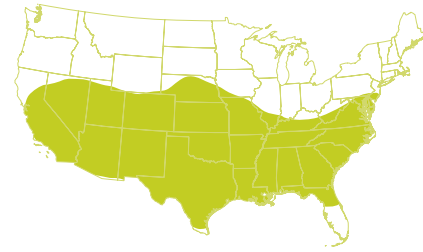
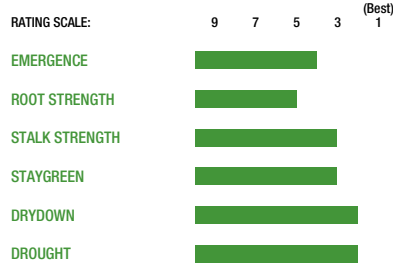
Doug Woodger | DAIRY FARMER
GRANVILLE, MASSACHUSETTS

E116K4 • E116K4-3000GT Brand

RM 116

Broadly adapted product with superior yield potential

- Well adapted to drought-prone soils
- High yield potential in high-disease environments, despite average Gray Leaf Spot resistance
- Stable plant and ear height across rolling stress environments

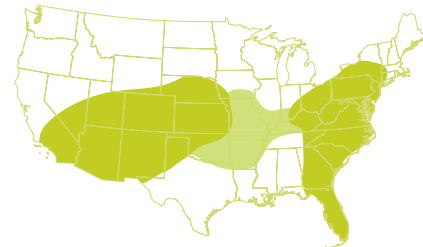
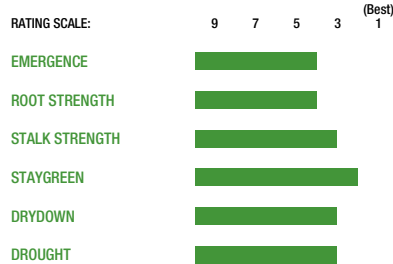


E118D8 • E118D8-3000GT Brand

RM 118

Broadly adapted with a complete agronomic package

- Strong choice for highly productive irrigated and dryland systems
- Tall plant type with good stalks for improved standability
- Great plant health and staygreen to promote late-season intactness





CORN

SOLUTION



Protect and Push Hybrid Performance

When you've got the *speed, precision and power* of Syngenta R&D behind your corn portfolio, you can count on more than just high-performing genetics and industry-leading traits. You can also bet on the *tools and technologies* to help *maximize your investment* on every acre.

NS

Agronomic Management

Hybrid Response to Management/Placement Situations and End-Use Traits

The Syngenta Agronomy Research program analyzes the agronomic characteristics of Syngenta products to aid in placement and usage in real-world farm situations. With agronomy research locations positioned throughout the Corn Belt, **the annual research answers the “why,” “how” and “where” questions of best management practices for our products with:**

- **Uniform testing methodology** to ensure that research results are a reliable prediction of the response farmers will see in their fields.
- Multi-year compilations to provide tremendous insight into **specific management tactics** for each product, so that farmers can maximize the potential for profit on their farms.



The agronomic management charts that follow list the hybrid performance characteristics collected from results of these studies.

NK Corn

PRODUCT	MATURITY	AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS														END-USE TRAITS				
		SEEDING RATE (x1,000k)					CHARACTERISTICS		ADAPTATION TO SOIL TYPES AND YIELD ENVIRONMENTS							Starch	Protein	Oil	Beef Feed-to-Gain	
		120 Bu	160 Bu	200 Bu	240 Bu	280 Bu	Root Strength	Stalk Strength	Continuous Corn	Drought Prone	High-pH Performance	Highly Productive	Variable	Poorly Drained	Nitrogen Response					
NK Hybrid Series	Relative Maturity																			
	80	26.2	29.5	30.6	31.8	32.9	3	3	G	B	G	G	B	G	G	G	G	F	P	
	82	20.3	27.5	34.8	41.1	43.9	2	4	G	F	G	B	F	G	F	B	P	F	G	
	85	22.0	27.0	32.0	37.1	39.9	4	3	B	B	F	B	B	G	B	G	G	F	B	
	86	24.4	29.6	34.7	39.8	43.9	3	2	G	B	F	B	B	B	B	B	F	F	G	
	87	20.2	25.4	29.0	31.7	33.8	3	4	-	B	G	B	B	G	-	G	G	G	F	
	88	22.2	27.9	31.9	34.8	37.2	3	3	F	B	F	B	B	F	G	F	F	P	G	
	90	20.7	25.5	30.2	35.0	39.8	4	3	G	B	F	B	B	G	B	F	B	P	B	
	91	26.2	31.7	33.6	35.5	37.3	5	4	F	B	P	B	B	G	G	G	P	F	G	
	92	26.2	32.1	33.1	34.1	35.1	4	2	B	B	G	B	B	G	B	B	G	F	G	
NEW	92	19.8	24.9	28.5	31.1	33.4	5	3	-	B	G	F	B	F	-	G	F	F	-	
NEW	93	26.2	32.0	33.6	35.1	36.7	3	2	-	G	F	B	B	B	-	G	F	F	G	
	95	24.4	27.9	31.3	34.8	38.2	3	2	G	B	G	B	B	B	G	B	F	F	G	
	96	26.2	30.3	33.6	36.9	40.2	3	2	G	B	F	G	G	B	G	G	B	F	F	

PRODUCT	MATURITY	AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS														END-USE TRAITS			
		SEEDING RATE (x1,000k)					CHARACTERISTICS		ADAPTATION TO SOIL TYPES AND YIELD ENVIRONMENTS							Starch	Protein	Oil	Beef Feed-to-Gain
		120 Bu	160 Bu	200 Bu	240 Bu	280 Bu	Root Strength	Stalk Strength	Continuous Corn	Drought Prone	High-pH Performance	Highly Productive	Variable	Poorly Drained	Nitrogen Response				
NK Hybrid Series	Relative Maturity																		
		28.5	35.9	37.3	38.4	39.5	2	3	G	G	G	B	G	B	F	G	G	F	F
NK0007	100	21.1	25.2	29.3	33.4	37.5	2	3	-	G	G	B	B	B	-	G	F	G	F
NK0243	102	28.5	32.7	35.4	38.1	40.8	3	2	G	B	F	B	B	B	G	G	G	B	B
NK0314	103	17.1	21.6	26.3	31.8	37.2	3	4	G	G	G	G	G	G	B	F	G	F	P
NK0330	103	24.5	27.0	29.0	32.0	34.0	4	5	F	B	F	B	B	G	F	G	F	B	G
NK0440	104	26.2	28.4	30.4	32.3	34.3	5	3	G	G	P	B	B	G	B	B	F	F	B
NK0472	104	21.1	26.0	31.0	35.9	40.8	2	2	G	G	G	B	G	B	F	G	G	B	F
NK0624	106	27.5	33.8	35.9	38.0	40.1	3	3	B	B	F	B	B	G	F	B	F	F	G
NK0696	106	18.8	23.8	27.1	29.6	34.8	2	3	G	F	G	G	B	B	F	B	P	P	F
NK0748	107	18.8	23.8	27.1	30.4	35.2	3	3	G	G	G	B	G	B	B	F	F	B	G
NK0821	108	23.8	26.9	29.9	32.9	36.0	3	3	B	B	F	B	B	G	G	G	F	B	G
NK0877	108	28.5	33.6	36.2	38.8	41.4	2	2	G	B	F	F	G	G	-	B	G	P	G
NK0962	109	23.5	26.1	28.7	31.2	33.8	4	4	F	B	P	B	B	G	G	G	G	B	F
NK1026	110	28.5	32.5	35.6	38.8	41.9	2	3	G	F	F	G	G	G	F	G	G	G	G
NK1082	110	25.4	30.3	31.8	33.2	34.7	5	4	G	B	F	B	G	G	G	G	F	G	G
NK1188	111	26.6	28.9	31.2	33.5	35.7	3	4	G	G	G	G	G	G	G	G	G	P	G
NK1239	112	24.2	27.1	29.9	32.8	35.7	3	2	B	P	F	B	B	B	F	G	F	F	G
NK1349	113	18.8	23.8	27.1	29.6	33.0	3	2	G	F	G	G	F	G	G	F	F	G	-
NK1354	113	27.5	31.0	33.0	35.1	37.1	2	4	G	F	G	B	B	B	F	B	F	P	B
NK1364	113	26.2	28.4	29.6	30.8	32.0	5	4	B	G	G	B	G	F	P	F	G	F	B
NK1452	114	22.2	27.9	31.9	34.8	37.2	2	3	B	G	F	B	B	B	F	G	F	G	B
NK1460	114	24.6	27.2	29.9	32.5	35.2	2	4	G	G	B	B	G	B	F	B	F	F	B
NK1523	115	25.7	28.8	31.9	35.1	38.2	2	4	F	G	G	B	B	B	-	G	G	P	F
NK1573	115	26.2	30.5	31.6	32.7	33.9	3	5	G	F	B	B	G	G	G	B	F	G	B
NK1661	116	27.5	32.0	32.5	33.0	33.5	2	3	G	B	G	B	B	B	G	B	F	P	F
NK1677	116	26.2	29.2	30.5	31.9	33.3	3	2	G	F	F	B	G	G	B	F	G	B	F
NK1694	116	20.2	25.4	29.0	31.7	33.8	5	3	G	B	P	B	B	F	G	G	F	G	G
NK1701	117	18.8	23.8	27.1	29.6	31.6	3	3	G	F	G	B	G	B	-	G	F	P	F
NK1748	117	24.2	26.1	28.0	29.8	31.7	2	3	B	G	G	G	B	G	B	F	G	B	F
NK1755	117	21.1	26.5	30.3	33.1	35.3	4	4	F	F	B	B	G	F	-	G	G	F	F
NK1808	118	26.2	30.0	31.9	33.7	35.6	4	4	B	G	G	B	G	G	G	G	B	F	F
NK1822	118	19.0	24.0	27.0	39.5	44.0	4	3	G	G	G	B	G	F	G	B	G	F	F
NK1838	118	20.0	23.8	27.4	31.2	34.9	3	3	-	G	G	B	B	-	-	-	-	-	-
NK1860	118	22.2	27.9	31.9	34.8	37.2	3	3	F	G	G	B	G	F	G	B	B	F	F

Agronomy ratings are based on statistically analyzed results of studies conducted by Syngenta and are relative to other hybrids within the same maturity group.

= Field Forged Series

CHARACTERISTICS

- 1 = Best
- 9 = Worst
- = Not Available

ADAPTATION AND RESPONSES

- B = Best
- G = Good
- F = Fair
- P = Poor
- = Not Available

DROUGHT

Artesian™ Water-Optimized Hybrid

See next page for general interpretation of hybrid response to management and placement situations and end-use traits.

Agronomic Management

Enogen Corn

PRODUCT	MATURITY	AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS															END-USE TRAITS		
		SEEDING RATE (x1,000k)					CHARACTERISTICS		ADAPTATION TO SOIL TYPES AND YIELD ENVIRONMENTS						Starch	Protein	Oil		
		120 Bu	160 Bu	200 Bu	240 Bu	280 Bu	Root Strength	Stalk Strength	Continuous Corn	Drought Prone	High-pH Performance	Highly Productive	Variable	Poorly Drained				Nitrogen Response	
E080Q1	80	26.0	29.5	30.5	32.0	33.0	3	3	G	B	G	G	B	G	G	G	G	G	F
E086J9	86	24.5	29.5	34.5	40.0	44.0	3	2	G	B	F	B	B	B	B	B	B	F	F
E092W5	92	24.0	29.0	30.5	32.5	34.0	5	4	F	B	P	B	B	G	G	G	P	F	
E095D3	95	24.5	28.0	31.0	34.5	38.0	3	2	G	B	G	B	B	B	G	B	F	F	
E100A3	100	24.0	28.5	31.5	34.0	37.0	3	3	-	B	G	B	B	G	-	B	F	P	
E105T1	105	23.0	27.0	30.0	34.0	38.5	5	2	G	B	G	B	B	B	B	B	F	F	
E106Q6	106	27.5	34.0	36.0	38.0	40.0	3	3	B	B	F	B	B	G	F	B	F	F	
E107C1	107	26.0	32.0	33.5	35.5	37.5	2	3	G	G	P	F	G	G	G	G	F	F	
E110F4	110	26.0	30.0	33.0	33.0	35.0	4	4	F	F	G	G	G	G	G	G	F	P	
E111V7	111	26.5	29.0	31.0	33.5	35.5	2	3	G	G	G	G	B	G	G	G	G	F	
E112S5	112	24.0	27.0	30.0	33.0	35.5	3	2	B	F	F	B	B	B	F	G	G	F	
E113N8	113	26.0	28.5	29.5	31.0	32.0	5	4	B	G	G	B	G	F	P	F	G	F	
E113Z5	113	27.5	31.0	33.0	35.0	37.0	2	4	G	G	G	B	B	B	F	B	F	P	
E116K4	116	22.0	28.0	32.0	35.0	37.0	5	3	G	B	P	B	B	F	G	G	F	G	
E118D8	118	26.0	30.0	32.0	33.5	35.5	4	3	B	G	G	B	G	G	G	G	B	F	

Agronomy ratings are based on statistically analyzed results of studies conducted by Syngenta and are relative to other hybrids within the same maturity group.

= Field Forged Series

CHARACTERISTICS
 1 = Best
 9 = Worst
 - = Not Available

ADAPTATION AND RESPONSES
 = Best
 = Good
 = Fair
 = Poor
 - = Not Available

DROUGHT
 Artesian™ Water-Optimized Hybrid

Maximize EVERY ACRE Available



Seeding rate plays a significant role in helping farmers maximize their return on investment and get the most out of every acre. But given the number of variables to take into consideration, calculating your optimal seeding rate can be a painstaking task. That's why NK Seeds designed the **NK Corn Seeding Rate Calculator** — a data-based tool that helps farmers estimate the most economical seeding rate per acre with just the click of a button.

General Interpretation of Hybrid Response to Management and Placement Situations and End-Use Traits

Seeding Rate (×1,000k): Provides an approximate economically optimal recommendation for seeding rate in a range of yield environments. Your specific growing conditions and practices may require further adjustment.

Adaptation to Soil Types and Yield Environments: Ratings and soil type classifications are based on interpretation of studies conducted by Syngenta.

Continuous Corn: Favorable ratings in this column indicate hybrids containing multiple agronomic phenotypic traits deemed important for fields where corn is being cultivated for consecutive years. Two key criteria are used to determine continuous corn crop rotation hybrid ratings:

1. *Continuous corn yield retention data, calculated by comparing each hybrid's yield potential in a continuous corn rotation versus a corn-on-soybean rotation, which was then compared to the average continuous corn yield retention potential of all hybrids tested.*
2. *Hybrid agronomic characteristics, including early-season vigor, root characteristics and disease tolerance.*

High-pH Performance: Ratings represent an assessment of stand establishment, chlorosis severity and yield performance.

Nitrogen Response: Nitrogen is a key element for yield potential and plant health. To help farmers get the most potential out of their corn acres, our agronomic research team provides Hybrid Nitrogen Response Ratings. To determine the ratings, hybrids were evaluated in both a nitrogen stress environment and a non-limiting nitrogen environment and categorized according to relative response compared to other hybrids.

End-Use Traits: The Corn Hybrid Grain End-Use Ratings provide information that can help farmers who produce corn for livestock, the ethanol industry or other grain end uses where grain quality can be just as important as grain yield. Ratings are supported by collecting grain samples from internal company trials and sending them to an independent laboratory for protein, oil and starch analysis.

Beef Feed-to-Gain: Feed-to-gain is the average weight of food needed for each pound of animal weight gain. Lower feed-to-gain values are more desirable because animals consume less feed to produce the same amount of weight gain, potentially resulting in lower food input cost.



Try our new, easy-to-use Seeding Rate Calculator at NKSeeds.com/SeedingRate.

Protect and Preserve

A strong stewardship program is essential for protecting and preserving the long-term value of insect-protected trait technology. Syngenta provides responsible agriculture programs and information regarding the safe handling and storage of product.

Stewardship Requirements

Prior to planting corn hybrids with Syngenta traits, you are required to sign a Syngenta Seeds, LLC Stewardship Agreement. This agreement outlines the terms and conditions of growing hybrids with Syngenta traits, including hybrid and trait packages that may have different Insect Resistance Management (IRM) and grain channeling requirements. **The deadline to send all completed agreements to Syngenta is June 30, annually.**

Agreements can be sent using the following four methods:

ONLINE

agcelerate.com

Register for an account or log in to an existing account and then electronically sign the agreements that are necessary to use your seed. For support using the AgCelerate tool, please call AgCelerate Customer Service at 1-866-784-4630.

Electronic signatures will be accepted only through agcelerate.com. Any other forms of electronic signatures will be rejected.

EMAIL

agreements@agdata.com

FAX

1-704-919-5581



MAIL

AgCelerate
ATTN: Stewardship
P.O. Box 221679
Charlotte, NC 28222-1678

Use only one method; originals are not required. It is important that you keep a copy of the Syngenta Seeds, LLC Stewardship Agreement for your records. If you have questions regarding the Stewardship Agreement or how to submit the form, please call 877-GRO-CORN (877-476-2676).

Corn Refuge Requirements

It is important to recognize that different hybrid or trait packages may have different IRM requirements. On-farm mixing of any seed is not an approved method to comply with stewardship requirements.

	TRAIT STACK	SIZE REQUIREMENT (CORN-GROWING REGION) ¹	SIZE REQUIREMENT (COTTON-GROWING REGION) ¹
ABOVE- AND BELOW-GROUND TRAIT STACKS	DuracadeViptera™	5% in the bag E-Z Refuge 	20% supplemental refuge ²
	DuracadeViptera™Z3		
	Duracade™		
	Agrisure® Total		
	Agrisure Viptera® 3111		
ABOVE-GROUND TRAIT STACKS	Agrisure® 3000GT	20% in field/adjacent	50% in field/adjacent
	Viptera™	5% in the bag E-Z Refuge 	20% supplemental refuge ²
	Viptera™Z3		
	Agrisure® Above		
Agrisure Viptera® 3110	20% in field/adjacent		

Managing Corn Rootworm with a Smart Rotation

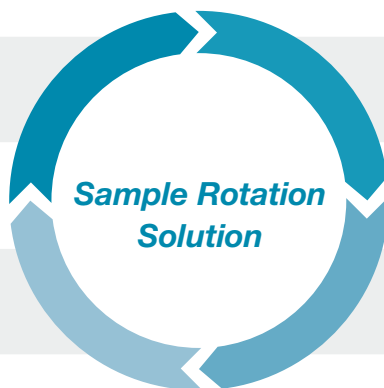
To help **reduce unexpected damage** in fields under high pressure for corn rootworm (CRW), consider a multi-year management plan that incorporates multiple control strategies, including crop rotation, rotation of multi-mode-of-action traits, adult beetle monitoring and soil-applied insecticides.



Above-ground trait stack + soil-applied insecticide (if needed)



Trait stack with corn rootworm protection



Non-host crop (e.g., soybeans)

Dual mode-of-action trait stack



Every year, scout adult beetles and consider a foliar insecticide such as:



¹ THE FOLLOWING STATES AND COUNTIES ARE CONSIDERED CORN-GROWING AREAS: AK, AZ, CA, CO, CT, DE, HI, ID, IL, IN, IA, KS, KY, ME, MD, MA, MI, MN, MO (all counties except Dunklin, New Madrid, Pemiscot, Scott and Stoddard), MT, NE, NV, NH, NJ, NM, NY, ND, OH, OK (all counties except Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman and Washita), OR, PA, RI, SD, TN (all counties except Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby and Tipton), TX (only the counties of Carson, Dallam, Hanford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts and Sherman), UT, VT, VA (all counties except Dinwiddie, Franklin City, Greenville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey and Sussex), WA, WV, WI and WY. THE FOLLOWING STATES AND COUNTIES ARE CONSIDERED COTTON-GROWING AREAS: AL, AR, FL, GA, LA, MO (only the counties of Dunklin, New Madrid, Pemiscot, Scott and Stoddard), MS, NC, OK (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman and Washita), SC, TN (only the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby and Tipton), TX (all counties except Carson, Dallam, Hanford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts and Sherman) and VA (only the counties of Dinwiddie, Franklin City, Greenville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey and Sussex).

² Assumes a common corn borer and rootworm refuge. Alternatively, a separate rootworm refuge within or adjacent to the field and a corn borer refuge up to a half mile away could be planted.

³ Force, Force Evo, Force CS, Force 3G, Force 6.5G and Warrior II with Zeon Technology are Restricted Use Pesticides.

Protect Your Corn Investment

with Leading Crop Protection



The only corn herbicide premix to combine atrazine, S-metolachlor, mesotrione and the unique component bicyclopyrone.¹

- Management of tough, yield-robbing weeds that competitors miss
- Season-long residual control helps fully protect yield
- A 5 to 15 Bu/A yield advantage against competitive herbicides when applied preemergence at the full label rate²

With a preemergence application, Acuron® provides longer residual control than any other herbicide.

SHOWN 71 DAYS AFTER TREATMENT



Slater, Iowa. 8/13/2019.



The hardest-working, longest-lasting fungicide.

- Three proven active ingredients — SOLATENOL® technology, azoxystrobin and propiconazole
- Plant-health benefits for stronger corn
- A proven 14 Bu/A average yield increase in Trivapro®-treated corn versus untreated³



Broader disease control for a cleaner, greener crop you can see.

- Three-way mix of azoxystrobin, propiconazole and ADEPIDYN® technology
- Preventive and curative activity against a broad spectrum of diseases
- Superior disease control and better plant health for more bushels more often



The most consistent control of corn rootworm and other early-season pests.¹

- A 10 Bu/A average yield increase when used on top of CRW traits (single or double stack)⁴
- Improved root growth and nutrient uptake to result in a higher yield potential
- Protection against diseases such as white grub, wireworm, seedcorn maggot and cutworm

¹ Acuron and Force Evo are Restricted Use Pesticides.

² Yield advantage range based on 2016 Syngenta and university trials comparing Acuron to Corvus®, Resicore®, SureStart® II and Verdict® herbicide applied preemergence and at full label rates.

³ Based on data from 368 non-replicated strip trials in AR, IA, IL, IN, KS, MN, MO, NE, SD and WI from 2016-2020.

⁴ Yield advantage based on 2007-2017 Syngenta trials of various CRW traits located in IA, IL, IN, MI, MN, NE, OH and WI.

Seed Treatments

Made to Handle Your Pressures

Even the highest-performing hybrids with industry-leading traits require an additional layer of protection to **keep early-season threats at bay.**

The **Syngenta portfolio of seed treatments** is driven by our work at The Seedcare Institute™ in conjunction with a complete R&D platform to ensure that you have the ultimate selection of products.



The most comprehensive seed treatment option.⁵

- Instant protection against early-season nematodes, insects and disease
- Improved plant stand, vigor and yield potential
- Consistent performance, even under variable soil pH, temperature and moisture levels



A new standard for *Pythium* protection.

- An extremely powerful and novel mode of action to reinforce early-season *Pythium* protection and to help maximize genetic yield potential
- The most robust *Pythium* protection ever provided by a seed treatment, compared with the existing protection molecules metalaxyl or ethaboxam
- Increased seed germination, emergence and improved plant stand uniformity across variable soil types and environmental conditions



Insecticide and fungicide seed treatment with enhanced root health.⁶

- Broad-spectrum, superior protection against early-season insects with seed- and soil-borne disease protection
- A third mode of action against *Rhizoctonia* that also increases each crop's RootingPower for a healthier root system
- Comprehensive early-season insect and disease protection for healthy, vigorous seedlings, the strongest root system possible and the highest potential yields



Learn more about our mission to provide you with better, more high-performing solutions. [SyngentaSeedcare.com](https://www.SyngentaSeedcare.com)

⁵ Avicta Complete Corn 250 is a Restricted Use Pesticide. For use by certified applicators only. Farmers planting Avicta-treated seed are not required to be certified applicators. Avicta technology is protected by U.S. Patent No. 6,875,727. Avicta Complete Corn is an on-seed application of Avicta Complete Corn 250 alone or in combination with sufficient Cruiser 5FS insecticide to deliver 0.50 or 1.25 mg AI/seed insecticide.

⁶ CruiserMaxx Vibrance Corn is an on-seed application of Cruiser 5FS insecticide delivered at the 0.25, 0.50 or 1.25 mg AI/seed rate and Vibrance Cinco or MAXIM® Quattro and Vibrance fungicides.



SOYBEAN

▶ VARIETIES





Proprietary Genetics with Proven Performance

NK is the *only seed provider* to offer the most sought-after herbicide traits stacked on our own *proprietary germplasm*. Get field-proven agronomics with consistent performance that's *proven through more than 50 years* of field testing plus the leading choice of herbicides.



View variety insights —
straight from the field.

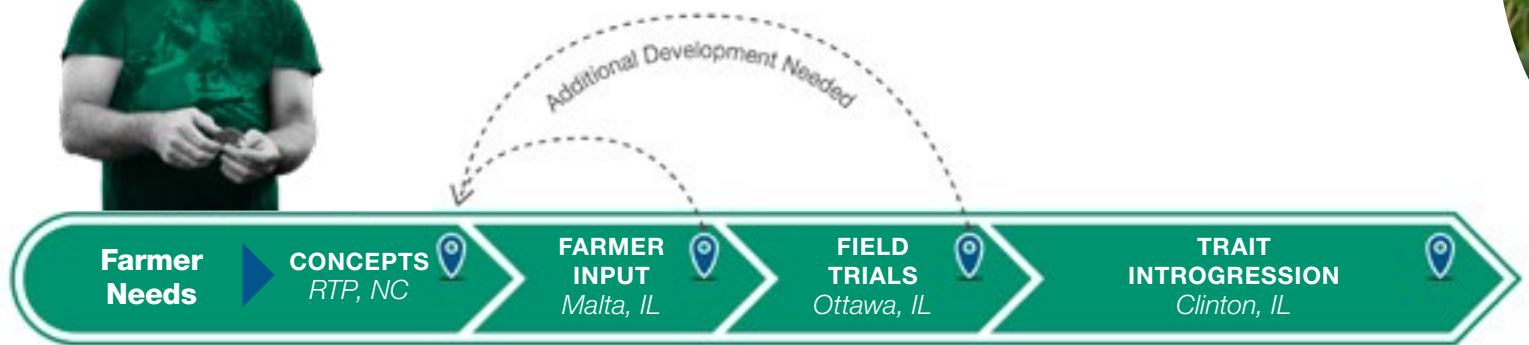
N

Our Best Varieties for Your Field

Faster Than Ever

With the power of Syngenta, we use **speed, precision and power** to bring options like Enlist E3[®] soybean varieties to market **faster** than almost anyone else in the industry, without ever taking high risks on **performance** in our customers' fields.

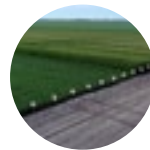
Our state-of-the-art facilities reduce cycle time and improve speed to market and product placement precision.



136,000-square-foot facility with state-of-the-art greenhouse



93-acre R&D Innovation & Customer Experience Center



152 acres for field trials



Driving seed-to-seed in 7 weeks



We've Optimized Seed Testing and Development to Get from **Seed to Seed** in as Little as Seven Weeks



- **Year-round trait introgression** with simulated growing conditions.
- Removes unnecessary stages and **accelerates introgression of new traits** into high-performing germplasm.
- **Shortens path to commercial varieties** from the typical six to seven years — to as little as three years.

MONTH 1							MONTH 2						
X	X	3	X	X	X	7	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	20	21	X	X	X	X	X	X	X
22	23	X	X	X	X	X	X	X	X	X	X	X	X

Day 3

Traited seedlings emerge.

Day 7

DNA analysis completed to ensure plant has desired defensive genes and traits.

Days 20-23

Fingerprinting is completed. Selected varieties are cross-pollinated.

Environment is adapted to push reproductive growth cycle and achieve first generation of seed rapidly.

Using speed and precision to shortcut seed production and achieve the performance you expect.



Soybean Characteristics



PRODUCT	PRODUCT TRAITS & MATURITY		AGRONOMIC/PLANT CHARACTERISTICS													ADAPTATION TO SOIL TYPES/YIELD ENVIRONMENTS							
			NK Soybean Brand	Herbicide-Tolerant Trait	Relative Maturity	Emergence	Canopy/Plant Type	Plant Height	Growth Habit	Standability	Narrow Row	Wide Row	Flower Color	Pubescence Color	Pod Color	Hilum Color	Chloride Sensitivity	Green Stem	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained
																			B	G	B	B	G
S008-E3	E3	0.08	3	MT	M	IND	4	1	2	PUR	GR	BR	BF	-	-	B	G	B	B	G			
NEW NK009-G7E3	E3	0.09	2	M	MS	IND	2	-	-	PUR	GR	TN	YEL	INC	1	B	G	B	B	B			
NEW NK02-T4E3	E3	0.2	3	M	MS	IND	2	1	2	PUR	GR	TN	YEL	EXC	1	G	G	G	B	B			
NEW NK03-V5E3	E3	0.3	2	MB	MS	IND	3	1	2	PUR	GR	TN	IMB	EXC	2	B	F	B	B	B			
NK04-G8E3	E3	0.4	2	MB	M	IND	4	2	2	PUR	GR	BR	YEL	INC	2	B	B	P	G	G			
NEW NK06-D9E3	E3	0.6	3	M	MS	IND	2	1	2	PUR	GR	TN	BF	EXC	3	G	G	G	B	B			
NK08-V9E3	E3	0.8	3	M	M	IND	2	1	2	PUR	GR	TN	BF	EXC	3	F	F	B	G	G			
NEW NK09-H7E3	E3	0.9	3	MB	MS	IND	2	1	1	PUR	GR	TN	BF	EXC	2	B	F	B	B	B			
S10-E3	E3	1.0	2	MB	M	IND	2	2	1	PUR	GR	BR	GR	EXC	3	F	F	F	B	F			
S13-E3	E3	1.3	3	MB	MT	IND	3	2	1	PUR	GR	TN	IMB	INC	3	G	G	B	G	G			
NK14-W6E3	E3	1.4	2	M	M	IND	3	1	2	PUR	GR	TN	BF	EXC	1	G	G	B	B	B			
S17-E3	E3	1.7	3	M	M	IND	2	2	1	WH	LTW	TN	BL	INC	3	G	F	G	G	G			
NK18-J7E3	E3	1.8	3	M	MT	IND	3	1	1	PUR	GR	BR	IMB	INC	2	B	G	G	B	G			
NEW NK19-T8E3S	E3/STS	1.9	3	M	M	IND	3	2	1	PUR	GR	BR	IMB	INC	2	G	F	B	G	B			
NK19-Y5E3	E3	1.9	3	MT	MT	IND	3	1	1	PUR	LTW	BR	BL	-	2	F	G	B	G	G			
NEW NK20-B6E3S	E3/STS	2.0	2	MB	MS	IND	2	2	1	PUR	GR	TN	IMB	INC	3	G	G	B	G	G			
NK22-C4E3	E3	2.2	3	M	M	IND	2	2	1	PUR	GR	BR	IMB	INC	2	G	G	B	B	G			
NEW NK22-R2E3S	E3/STS	2.2	2	M	MT	IND	3	1	2	PUR	GR	TN	IMB	INC	2	G	G	B	B	G			
NEW NK24-A2E3S	E3/STS	2.4	3	MB	MT	IND	3	2	1	PUR	GR	BR	BF	-	-	-	P	-	-	-			
S25-2E3	E3	2.5	3	M	MT	IND	4	3	1	PUR	GR	BR	IMB	-	3	G	G	G	B	G			
S26-E3	E3	2.6	2	M	M	IND	2	1	2	PUR	GR	TN	BF	INC	2	F	G	B	G	G			
S28-E3	E3	2.8	2	M	M	IND	3	1	1	WH	GR	TN	BF	INC	2	B	F	B	B	G			
NEW NK29-Z4E3	E3	2.9	2	MB	M	IND	2	1	1	WH	GR	TN	BF	INC	3	B	G	G	G	B			

Some product descriptions and ratings are sourced from the variety's genetic supplier and may change as additional information is gathered.

= Field Forged Series

HERBICIDE-TOLERANT TRAITS

E3 = Enlist E3[®] Soybean
 E3/STS = Enlist E3[®] Soybean and STS[®]
 XF = XtendFlex[®]
 XF/STS = XtendFlex[®] and STS[®]
 RR2X = Roundup Ready 2 Xtend[®]

AGRONOMIC CHARACTERISTICS

1 = Best
 9 = Worst
 - = Not Available

CANOPY/PLANT TYPE

B = Bush
 MB = Medium-Bush
 M = Medium
 MT = Medium-Thin
 T = Thin

PLANT HEIGHT

S = Short
 MS = Medium-Short
 M = Medium
 MT = Medium-Tall
 T = Tall

GROWTH HABIT

DET = Determinate
 IND = Indeterminate

COLOR ABBREVIATIONS

BF = Buff
 BL = Black
 BR = Brown
 GR = Gray
 IMB = Imperfect Black
 IMY = Imperfect Yellow
 LTW = Light Tawny
 PUR = Purple
 TN = Tan
 TW = Tawny
 WH = White
 YEL = Yellow

CHLORIDE SENSITIVITY

EXC = Excluder
 INC = Includer
 - = Not Available

ADAPTATION AND RESPONSES

B = Best
 G = Good
 F = Fair
 P = Poor
 - = Not Available

PROTEIN AND OIL

Ratings are based on two-year averages, except in cases where only one year of data is available.



GRAIN QUALITY		DISEASE/PEST RESISTANCE													PRODUCT
% Protein @ 13% mst.	% Oil @ 13% mst.	PHYTOPHTHORA ROOT ROT		SOYBEAN CYST NEMATODE		Southern Stem Canker	Root Knot Nematode Incognita	Iron Deficiency Chlorosis	Brown Stem Rot	Charcoal Rot	Soybean White Mold	Pod & Stem Blight	Sudden Death Syndrome	Frogeye Leaf Spot	NK Soybean Brand
		Gene Resistance	Field Tolerance	Gene Source	Race Resistance										
31.9	19.1	Rps1a	4	PI88788	MR3	-	-	3	2	-	6	4	-	-	S008-E3
31.5	18.3	Rps1c, Rps3a	2	PI88788	MR3, MR14	1	-	3	3	-	5	-	-	-	NK009-G7E3 NEW
31.9	19.6	Rps1c, Rps3a	2	PI88788	MR3	1	-	3	3	-	4	6	-	-	NK02-T4E3 NEW
33.2	18.6	Rps1c	3	PI88788	MR3	1	-	4	3	-	3	7	-	-	NK03-V5E3 NEW
36.3	17.7	Rps1c, Rps3a	4	S	S	1	-	2	3	-	4	5	-	-	NK04-G8E3
33.0	18.6	Rps3a	2	PI88788	MR3	1	-	3	4	-	4	6	2	-	NK06-D9E3 NEW
33.7	17.8	S	3	PI88788	R3, MR14	-	-	4	-	-	3	2	4	-	NK08-V9E3
34.5	18.0	Rps1k	2	PI88788	MR3, MR14	1	-	4	3	-	3	5	3	2	NK09-H7E3 NEW
35.7	17.4	S	4	PI88788	R3, MR14	-	-	4	4	-	4	3	2	-	S10-E3
35.3	17.3	Rps1c	4	PI88788	MR3, MR14	-	-	3	3	-	5	5	4	-	S13-E3
34.2	18.1	Rps1c, Rps3a	3	Peking	MR1, R3, MR5	1	-	3	3	-	4	6	4	-	NK14-W6E3
34.4	18.5	S	4	PI88788	MR3	-	-	4	3	-	4	5	2	5	S17-E3
34.2	18.6	Rps1c	3	PI88788	R3	1	-	3	3	5	3	6	4	4	NK18-J7E3
33.6	18.8	Rps1k	4	Peking	MR1, MR3, MR5	1	-	4	3	-	4	5	4	5	NK19-T8E3S NEW
33.7	18.5	Rps1k	3	PI88788	R3, MR14	1	-	3	-	-	4	4	3	5	NK19-Y5E3
32.7	19.5	Rps1c	4	PI88788	MR3, R14	-	-	3	4	4	4	2	3	4	NK20-B6E3S NEW
33.6	19.0	Rps1c	3	PI88788	R3	1	-	3	3	5	3	4	3	3	NK22-C4E3
32.4	20.0	Rps1c	4	PI88788	MR3, R14	-	-	3	3	4	4	5	4	5	NK22-R2E3S NEW
-	-	Rps1a	4	PI88788	R3, MR14	-	-	5	-	-	4	-	4	-	NK24-A2E3S NEW
32.4	20.5	S	4	PI88788	MR3	1	-	3	3	5	5	-	5	4	S25-2E3
30.6	19.9	Rps1k	4	Peking	-	-	-	3	4	3	4	-	3	4	S26-E3
33.4	19.7	Rps1k	4	PI88788	MR3	1	-	4	3	5	4	-	3	3	S28-E3
34.5	18.4	Rps1k, Rps3a	4	PI88788	R3	1	-	3	3	4	4	-	3	3	NK29-Z4E3 NEW

RESISTANCE RATING SYSTEM

Indicates when a variety is resistant to a specific disease or pest. For soybean cyst nematode (SCN), the gene(s) conveying the resistance, the race(s) the variety is resistant against and the degree of resistance are specified, when available. For Phytophthora Root Rot, the gene(s) conveying the resistance and general field tolerance rating are listed.

PHYTOPHTHORA ROOT ROT GENE RESISTANCE

The following genes confer resistance to the listed races of *Phytophthora*:
 Rps1a = Resistant to races 1, 2, 11, 13-18, 26, 27, 31, 32, 36, 48, 50-52, 54, 55
 Rps1c = Resistant to races 1-3, 6-9, 11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 41, 42, 44, 48, 50, 52, 54, 55
 Rps1k = Resistant to races 1-9, 11, 13-15, 17, 18, 21-24, 26, 36, 37, 42-44, 46-55
 Rps3a = Resistant to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 27-29, 31-35, 40, 41, 43-45, 47-52, 54
 S = Susceptible (no gene-specific tolerance)

PHYTOPHTHORA ROOT ROT FIELD TOLERANCE

Field tolerance is usually not as complete as race-specific resistance, but it offers general protection. Resistance is not expressed in early stages of plant development. Numerical rating scale of 1-9; 1 = Best.

SCN GENE SOURCE

The PI88788 and Peking genes confer varying resistances to certain races of SCN.
 S = Susceptible (no gene-specific resistance). Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.

SCN RACE RESISTANCE

R = Resistant
 MR = Moderately Resistant
 S = Susceptible (no gene-specific resistance)
 1, 3, 5 and/or 14 = SCN race(s) for which resistance is conferred

DISEASE/PEST RESISTANCE

1 = Best
 9 = Worst
 - = Not Available

Soybean Characteristics



PRODUCT	PRODUCT TRAITS & MATURITY		AGRONOMIC/PLANT CHARACTERISTICS															ADAPTATION TO SOIL TYPES/YIELD ENVIRONMENTS				
			Herbicide-Tolerant Trait	Relative Maturity	Emergence	Canopy/Plant Type	Plant Height	Growth Habit	Standability	Narrow Row	Wide Row	Flower Color	Pubescence Color	Pod Color	Hilum Color	Chloride Sensitivity	Green Stem	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained
																		G	P	B	G	G
NEW NK30-B2E3	E3	3.0	2	MB	MS	IND	2	1	1	PUR	GR	TN	IMB	EXC	2	G	P	B	G	G		
NEW NK31-M7E3	E3	3.1	2	MB	M	IND	3	2	1	WH	GR	TN	BF	INC	3	G	G	G	G	G		
NK33-R4E3	E3	3.3	2	MB	M	IND	4	1	1	PUR	LTW	BR	BL	-	3	B	F	F	G	G		
NEW NK33-W2E3S	E3/STS	3.3	2	MB	M	IND	3	1	1	PUR	GR	TN	IMB	INC	1	F	F	B	G	G		
S35-E3	E3	3.5	2	M	M	IND	2	1	1	PUR	GR	TN	IMB	INC	2	B	P	B	G	G		
NEW NK36-H9E3S	E3/STS	3.6	3	M	M	IND	2	1	1	PUR	LTW	BR	BL	-	-	-	P	-	-	-		
NEW NK37-V4E3S	E3/STS	3.7	2	MB	MT	IND	4	2	1	WH	GR	TN	BF	EXC	2	B	G	G	B	G		
NEW NK38-D2E3S	E3/STS	3.8	3	MB	MT	IND	3	2	1	WH	LTW	TN	BR	-	-	-	F	-	-	-		
NK39-T5E3S	E3/STS	3.9	2	MB	T	IND	4	3	1	WH	GR	TN	BF	EXC	2	B	P	G	B	B		
S39-E3	E3	3.9	2	MB	M	IND	2	1	1	WH	GR	BR	BF	INC	3	B	F	G	G	G		
NEW NK40-P5E3	E3	4.0	2	M	M	IND	2	1	1	PUR	GR	TN	BF	EXC	3	G	G	G	G	B		
S41-E3	E3	4.1	2	MB	MT	IND	2	1	1	PUR	LTW	TN	BR	INC	2	G	G	G	F	G		
NK43-P7E3S	E3/STS	4.3	2	MB	MT	IND	2	1	1	PUR	GR	BR	IMB	INC	5	F	P	F	G	F		
NEW NK44-Q5E3S	E3/STS	4.4	2	MB	M	IND	4	3	1	WH	GR	BR	BF	INC	3	G	P	G	B	B		
NK45-V9E3	E3	4.5	2	MB	MT	IND	4	4	1	WH	GR	BR	BF	INC	5	B	P	P	B	G		
S46-E3S	E3/STS	4.6	1	M	T	IND	3	3	1	PUR	GR	BR	IMB	EXC	3	B	F	G	B	G		
NK49-T6E3S	E3/STS	4.9	3	MB	MT	IND	3	2	1	WH	GR	BR	BF	EXC	4	G	P	F	G	B		
NEW NK52-D6E3	E3	5.2	2	MB	MT	IND	5	4	1	WH	GR	BR	BF	EXC	5	B	P	P	B	B		
NEW NK65-H5E3	E3	6.5	2	MB	M	DET	2	1	2	WH	GR	TN	BF	EXC	-	G	P	G	B	G		
NEW NK68-G2E3S	E3/STS	6.8	2	MB	M	DET	2	1	2	PUR	GR	TN	IMB	INC	-	G	F	B	G	G		

Some product descriptions and ratings are sourced from the variety's genetic supplier and may change as additional information is gathered.

= Field Forged Series

HERBICIDE-TOLERANT TRAITS

E3 = Enlist E3[®] Soybean
 E3/STS = Enlist E3[®] Soybean and STS[®]
 XF = XtendFlex[®]
 XF/STS = XtendFlex[®] and STS[®]
 RR2X = Roundup Ready 2 Xtend[®]

AGRONOMIC CHARACTERISTICS

1 = Best
 9 = Worst
 - = Not Available

CANOPY/PLANT TYPE

B = Bush
 MB = Medium-Bush
 M = Medium
 MT = Medium-Thin
 T = Thin

PLANT HEIGHT

S = Short
 MS = Medium-Short
 M = Medium
 MT = Medium-Tall
 T = Tall

GROWTH HABIT

DET = Determinate
 IND = Indeterminate

COLOR ABBREVIATIONS

BF = Buff
 BL = Black
 BR = Brown
 GR = Gray
 IMB = Imperfect Black
 IMY = Imperfect Yellow
 LTW = Light Tawny
 PUR = Purple
 TN = Tan
 TW = Tawny
 WH = White
 YEL = Yellow

CHLORIDE SENSITIVITY

EXC = Excluder
 INC = Includer
 - = Not Available

ADAPTATION AND RESPONSES

B = Best
 G = Good
 F = Fair
 P = Poor
 - = Not Available

PROTEIN AND OIL

Ratings are based on two-year averages, except in cases where only one year of data is available.



GRAIN QUALITY		DISEASE/PEST RESISTANCE													PRODUCT
% Protein @ 13% mst.	% Oil @ 13% mst.	PHYTOPHTHORA ROOT ROT		SOYBEAN CYST NEMATODE		Southern Stem Canker	Root Knot Nematode Incognita	Iron Deficiency Chlorosis	Brown Stem Rot	Charcoal Rot	Soybean White Mold	Pod & Stem Blight	Sudden Death Syndrome	Frogeye Leaf Spot	NK Soybean Brand
		Gene Resistance	Field Tolerance	Gene Source	Race Resistance										
33.4	19.3	Rps3a	4	PI88788	MR3, MR14	1	-	5	3	3	6	-	3	2	NK30-B2E3 NEW
34.4	18.5	Rps1k, Rps3a	4	PI88788	R3	1	-	3	3	4	5	-	3	-	NK31-M7E3
34.4	19.0	S	4	PI88788	R3, MR14	1	-	4	-	4	5	-	3	4	NK33-R4E3
33.1	18.8	Rps1c	4	PI88788	R3, MR14	1	-	4	3	5	5	-	2	4	NK33-W2E3S NEW
32.8	19.7	S	3	PI88788	R3, MR14	1	-	5	3	2	3	-	3	5	S35-E3
-	-	Rps1k	3	PI88788	R3, MR14	1	-	5	-	-	3	-	2	4	NK36-H9E3S NEW
32.5	19.2	Rps1c	3	PI88788	MR3	1	-	3	3	2	-	-	3	2	NK37-V4E3S
-	-	Rps1c	3	PI88788	R3, MR14	1	-	4	-	-	5	-	3	3	NK38-D2E3S NEW
32.3	19.7	Rps1c	3	PI88788	R3	1	-	5	3	2	6	-	2	2	NK39-T5E3S
34.1	18.3	Rps1a	4	PI88788	MR3	1	6	4	3	3	-	-	3	3	S39-E3
34.3	18.4	Rps1c	3	PI88788	MR3, MR14	1	-	3	3	4	-	-	3	4	NK40-P5E3 NEW
34.6	18.3	Rps3a	4	PI88788	MR3	-	5	3	3	-	-	-	5	3	S41-E3
34.9	18.5	S	4	PI88788	R3, MR14	1	7	6	-	3	-	-	3	3	NK43-P7E3S
34.8	17.9	Rps1c	3	PI88788	MR3, MR14	1	3	5	3	3	-	-	3	2	NK44-Q5E3S NEW
33.7	18.7	Rps1c, Rps3a	3	PI88788	R3	1	3	6	3	3	-	-	3	2	NK45-V9E3
35.0	18.1	S	4	PI88788	MR3	1	3	4	3	3	-	-	3	4	S46-E3S
34.9	17.8	S	4	PI88788	R3, MR14	1	5	6	-	4	-	-	4	3	NK49-T6E3S
35.0	18.5	Rps1c	4	PI88788	R3	1	3	5	-	3	-	-	3	2	NK52-D6E3 NEW
34.2	17.6	Rps1c	3	PI88788	MR3, MR14	1	3	5	-	-	-	-	3	-	NK65-H5E3 NEW
33.2	18.4	S	4	PI88788	R3, MR14	1	3	4	-	-	-	-	4	2	NK68-G2E3S NEW

RESISTANCE RATING SYSTEM

Indicates when a variety is resistant to a specific disease or pest. For soybean cyst nematode (SCN), the gene(s) conveying the resistance, the race(s) the variety is resistant against and the degree of resistance are specified, when available. For Phytophthora Root Rot, the gene(s) conveying the resistance and general field tolerance rating are listed.

PHYTOPHTHORA ROOT ROT GENE RESISTANCE

The following genes confer resistance to the listed races of *Phytophthora*:

- Rps1a = Resistant to races 1, 2, 11, 13-18, 26, 27, 31, 32, 36, 48, 50-52, 54, 55
- Rps1c = Resistant to races 1-3, 6-9, 11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 41, 42, 44, 48, 50, 52, 54, 55
- Rps1k = Resistant to races 1-9, 11, 13-15, 17, 18, 21-24, 26, 36, 37, 42-44, 46-55
- Rps3a = Resistant to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 27-29, 31-35, 40, 41, 43-45, 47-52, 54
- S = Susceptible (no gene-specific tolerance)

PHYTOPHTHORA ROOT ROT FIELD TOLERANCE

Field tolerance is usually not as complete as race-specific resistance, but it offers general protection. Resistance is not expressed in early stages of plant development. Numerical rating scale of 1-9; 1 = Best.

SCN GENE SOURCE

The PI88788 and Peking genes confer varying resistances to certain races of SCN. S = Susceptible (no gene-specific resistance). Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.

SCN RACE RESISTANCE

- R = Resistant
- MR = Moderately Resistant
- S = Susceptible (no gene-specific resistance)
- 1, 3, 5 and/or 14 = SCN race(s) for which resistance is conferred

DISEASE/PEST RESISTANCE

- 1 = Best
- 9 = Worst
- = Not Available

Soybean Characteristics



PRODUCT	PRODUCT TRAITS & MATURITY		AGRONOMIC/PLANT CHARACTERISTICS													ADAPTATION TO SOIL TYPES/YIELD ENVIRONMENTS						
			Herbicide-Tolerant Trait	Relative Maturity	Emergence	Canopy/Plant Type	Plant Height	Growth Habit	Standability	Narrow Row	Wide Row	Flower Color	Pubescence Color	Pod Color	Hilum Color	Chloride Sensitivity	Green Stem	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained
NK009-T1XF	XF	0.09	3	M	M	IND	2	1	2	PUR	LTW	TN	BL	INC	1	G	G	B	B	G		
NK02-M4XF	XF	0.2	3	M	MT	IND	3	1	2	PUR	LTW	TN	BL	INC	2	G	G	B	B	G		
NK05-W3XF	XF	0.5	3	M	M	IND	4	2	1	PUR	LTW	TN	IMY	INC	1	B	F	F	G	B		
NK06-P2XF	XF	0.6	3	M	M	IND	3	1	1	PUR	LTW	TN	BL	EXC	2	B	G	B	G	G		
NK08-M1XF	XF	0.8	3	M	MT	IND	3	1	2	PUR	LTW	TN	BL	INC	2	B	G	B	B	B		
NK09-B5XF	XF	0.9	2	M	MS	IND	2	1	1	PUR	LTW	BR	GR	INC	1	B	F	B	B	B		
NK10-W8XF	XF	1.0	2	M	M	IND	3	2	1	PUR	LTW	TN	IMY	INC	2	B	G	F	G	G		
NK13-Y4XF	XF	1.3	3	MT	MT	IND	2	1	2	PUR	LTW	BR	BR	INC	3	B	G	B	B	B		
NK14-C7XF	XF	1.4	3	M	MT	IND	3	1	1	PUR	LTW	BR	BR	INC	2	G	G	B	B	G		
NK17-M2XF	XF	1.7	3	M	MT	IND	2	1	2	PUR	LTW	BR	BR	INC	3	G	G	B	B	G		
NK19-D5XF	XF	1.9	3	MB	M	IND	4	3	1	PUR	LTW	BR	BL	INC	4	G	G	B	G	B		
NK21-H4XF	XF	2.1	3	M	M	IND	4	3	1	WH	LTW	BR	BL	INC	3	B	G	G	G	B		
NK23-T9XF	XF	2.3	3	M	M	IND	3	1	1	WH	LTW	BR	BL	INC	2	G	F	G	B	B		
NK25-C9XF	XF	2.5	2	MB	MT	IND	3	2	1	WH	LTW	BR	BL	INC	3	B	F	G	G	B		
NK27-A7XF	XF	2.7	2	M	MT	IND	3	2	1	PUR	LTW	BR	BL	INC	3	B	P	G	B	B		
NK28-T3XF	XF	2.8	2	MB	MT	IND	3	2	1	PUR	LTW	TN	BL	INC	2	G	G	B	G	F		
NK30-U4XF	XF	3.0	2	M	M	IND	3	1	1	WH	LTW	BR	BL	INC	2	B	F	B	G	B		
NK31-J9XF	XF	3.1	3	MT	T	IND	4	2	2	PUR	LTW	TN	BL	INC	3	G	G	B	G	G		
NK34-G1XF	XF	3.4	3	MB	M	IND	3	2	1	PUR	LTW	BR	BL	INC	3	B	F	G	B	B		
NK37-Z9XF	XF	3.7	2	M	MT	IND	2	1	1	PUR	LTW	BR	BL	INC	3	G	G	B	G	G		
NK38-G9XF	XF	3.8	1	MB	MT	IND	3	2	1	PUR	LTW	TN	BL	INC	2	G	F	B	B	G		
NK39-M8XF	XF	3.9	2	MB	T	IND	3	2	1	PUR	GR	BR	IMB	INC	3	B	G	B	B	B		

= Field Forged Series

HERBICIDE-TOLERANT TRAITS

E3 = Enlist E3[®] Soybean
 E3/STS = Enlist E3[®] Soybean and STS[®]
 XF = XtendFlex[®]
 XF/STS = XtendFlex[®] and STS[®]
 RR2X = Roundup Ready 2 Xtend[®]

AGRONOMIC CHARACTERISTICS

1 = Best
 9 = Worst
 - = Not Available

CANOPY/PLANT TYPE

B = Bush
 MB = Medium-Bush
 M = Medium
 MT = Medium-Thin
 T = Thin

PLANT HEIGHT

S = Short
 MS = Medium-Short
 M = Medium
 MT = Medium-Tall
 T = Tall

GROWTH HABIT

DET = Determinate
 IND = Indeterminate

COLOR ABBREVIATIONS

BF = Buff
 BL = Black
 BR = Brown
 GR = Gray
 IMB = Imperfect Black
 IMY = Imperfect Yellow
 LTW = Light Tawny
 PUR = Purple
 TN = Tan
 TW = Tawny
 WH = White
 YEL = Yellow

CHLORIDE SENSITIVITY

EXC = Excluder
 INC = Includer
 - = Not Available

ADAPTATION AND RESPONSES

B = Best
 G = Good
 F = Fair
 P = Poor
 - = Not Available

PROTEIN AND OIL

Ratings are based on two-year averages, except in cases where only one year of data is available.



GRAIN QUALITY		DISEASE/PEST RESISTANCE													PRODUCT
% Protein @ 13% mst.	% Oil @ 13% mst.	PHYTOPHTHORA ROOT ROT		SOYBEAN CYST NEMATODE		Southern Stem Canker	Root Knot Nematode Incognita	Iron Deficiency Chlorosis	Brown Stem Rot	Charcoal Rot	Soybean White Mold	Pod & Stem Blight	Sudden Death Syndrome	Frogeye Leaf Spot	NK Soybean Brand
		Gene Resistance	Field Tolerance	Gene Source	Race Resistance										
32.7	18.9	Rps1c	3	PI88788	MR3	1	-	3	3	-	3	5	2	-	NK009-T1XF
33.0	19.1	Rps1c	3	PI88788	MR3	1	-	3	3	-	3	5	2	-	NK02-M4XF
34.5	17.5	Rps1c	3	PI88788	MR3	1	-	4	5	-	4	4	3	-	NK05-W3XF
32.7	19.4	Rps1c	4	PI88788	MR3	1	-	3	3	-	2	7	-	-	NK06-P2XF NEW
35.2	17.6	S	2	PI88788	MR3, MR14	1	-	3	4	-	5	6	3	-	NK08-M1XF NEW
34.6	17.6	Rps1c, Rps3a	2	PI88788	MR3, MR14	1	-	4	3	-	3	4	2	-	NK09-B5XF NEW
34.8	17.6	Rps1c	3	PI88788	R3	1	-	3	5	-	3	5	3	2	NK10-W8XF
34.6	17.9	Rps1c, Rps3a	2	PI88788	MR3, MR14	1	-	3	3	-	2	3	2	-	NK13-Y4XF NEW
34.4	18.0	Rps1c	2	PI88788	MR3	1	-	3	2	-	2	4	2	-	NK14-C7XF
34.2	18.6	Rps1c	4	PI88788	MR3	1	-	3	2	-	3	4	3	5	NK17-M2XF
34.8	18.8	Rps1c	3	PI88788	MR3, MR14	1	-	3	3	-	4	4	2	4	NK19-D5XF NEW
33.6	18.9	Rps1c	2	PI88788	MR3	1	-	3	5	4	3	6	3	4	NK21-H4XF
33.2	19.7	Rps1c	3	PI88788	MR3	1	-	4	3	3	3	-	4	5	NK23-T9XF NEW
32.4	20.4	Rps1c	2	PI88788	R3, MR14	1	-	4	4	3	3	3	2	5	NK25-C9XF
34.1	19.3	Rps1c	3	PI88788	MR3	1	-	5	3	4	3	3	2	5	NK27-A7XF
32.1	19.5	S	4	PI88788	R3	1	-	3	2	3	6	5	4	6	NK28-T3XF
34.3	18.5	Rps1c	3	PI88788	R3	1	-	4	3	4	3	-	2	2	NK30-U4XF NEW
33.5	19.5	Rps1k	4	PI88788	MR3	1	-	3	3	2	5	4	3	2	NK31-J9XF
32.4	19.4	Rps1c	4	PI88788	MR3	1	-	4	3	4	4	3	3	2	NK34-G1XF
32.2	18.5	S	4	PI88788	R3	1	-	3	4	4	-	-	3	2	NK37-Z9XF
33.0	19.4	Rps1c	4	PI88788	MR3, MR14	1	-	4	3	3	-	-	4	3	NK38-G9XF NEW
33.9	18.7	Rps1c	3	PI88788	MR3, MR14	1	-	3	3	3	-	-	2	3	NK39-M8XF NEW

RESISTANCE RATING SYSTEM

Indicates when a variety is resistant to a specific disease or pest. For soybean cyst nematode (SCN), the gene(s) conveying the resistance, the race(s) the variety is resistant against and the degree of resistance are specified, when available. For Phytophthora Root Rot, the gene(s) conveying the resistance and general field tolerance rating are listed.

PHYTOPHTHORA ROOT ROT GENE RESISTANCE

The following genes confer resistance to the listed races of *Phytophthora*:
 Rps1a = Resistant to races 1, 2, 11, 13-18, 26, 27, 31, 32, 36, 48, 50-52, 54, 55
 Rps1c = Resistant to races 1-3, 6-9, 11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 41, 42, 44, 48, 50, 52, 54, 55
 Rps1k = Resistant to races 1-9, 11, 13-15, 17, 18, 21-24, 26, 36, 37, 42-44, 46-55
 Rps3a = Resistant to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 27-29, 31-35, 40, 41, 43-45, 47-52, 54
 S = Susceptible (no gene-specific tolerance)

PHYTOPHTHORA ROOT ROT FIELD TOLERANCE

Field tolerance is usually not as complete as race-specific resistance, but it offers general protection. Resistance is not expressed in early stages of plant development. Numerical rating scale of 1-9; 1 = Best.

SCN GENE SOURCE

The PI88788 and Peking genes confer varying resistances to certain races of SCN.
 S = Susceptible (no gene-specific resistance). Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.

SCN RACE RESISTANCE

R = Resistant
 MR = Moderately Resistant
 S = Susceptible (no gene-specific resistance)
 1, 3, 5 and/or 14 = SCN race(s) for which resistance is conferred

DISEASE/PEST RESISTANCE

1 = Best
 9 = Worst
 - = Not Available

Soybean Characteristics



PRODUCT	PRODUCT TRAITS & MATURITY		AGRONOMIC/PLANT CHARACTERISTICS													ADAPTATION TO SOIL TYPES/YIELD ENVIRONMENTS							
			NK Soybean Brand	Herbicide-Tolerant Trait	Relative Maturity	Emergence	Canopy/Plant Type	Plant Height	Growth Habit	Standability	Narrow Row	Wide Row	Flower Color	Pubescence Color	Pod Color	Hilum Color	Chloride Sensitivity	Green Stem	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained
																			B	F	B	B	G
	NK42-T5XF	XF	4.2	3	M	MT	IND	2	1	1	PUR	LTW	BR	BL	INC	3	B	F	B	B	G		
	NK43-V8XF	XF	4.3	3	M	MT	IND	4	3	2	PUR	LTW	BR	BL	INC	4	B	G	B	G	G		
NEW	NK43-Y9XFS	XF/STS	4.3	2	MB	MT	IND	2	1	1	WH	GR	BR	BF	INC	2	B	P	B	B	B		
	NK44-J4XFS	XF/STS	4.4	2	M	MT	IND	3	1	2	WH	GR	BR	BF	INC	4	B	P	B	B	B		
	NK45-P9XF	XF	4.5	2	M	T	IND	3	1	1	PUR	LTW	BR	BL	EXC	4	F	P	G	G	G		
NEW	NK46-B4XFS	XF/STS	4.6	2	MB	MT	IND	3	2	1	WH	LTW	BR	BL	INC	2	G	B	B	G	G		
	NK47-Z1XF	XF	4.7	3	MB	T	IND	3	2	1	PUR	LTW	BR	BL	EXC	2	F	P	G	G	B		
	NK48-H3XFS	XF/STS	4.8	2	M	MT	IND	3	1	1	WH	GR	BR	BF	INC	4	G	F	B	G	B		
NEW	NK55-T2XF	XF	5.5	3	MB	MS	DET	1	1	1	WH	TW	BR	BL	INC	-	F	F	G	G	G		
	NK57-A3XF	XF	5.7	2	MB	M	DET	3	1	1	PUR	LTW	BR	BL	INC	-	F	G	B	G	G		
	NK64-C5XF	XF	6.4	2	MB	MT	DET	3	2	1	WH	LTW	BR	BL	INC	-	G	P	B	G	B		
	NK69-Q4XF	XF	6.9	3	MB	MT	DET	2	1	1	PUR	TW	BR	BL	INC	-	B	F	G	G	G		
	NK72-B2XF	XF	7.2	3	MB	M	DET	3	2	1	PUR	TW	TN	BL	INC	-	G	P	G	G	G		
NEW	NK77-Y8XF	XF	7.7	2	MB	M	DET	2	1	1	PUR	TW	BR	BL	INC	-	G	P	F	B	F		



S006-R7X	RR2X	0.06	3	M	MS	IND	2	1	2	PUR	LTW	BR	BR	INC	1	F	F	B	G	G
S02-F9X	RR2X	0.2	3	M	MS	IND	2	1	2	PUR	GR	TN	BF	INC	1	G	P	B	G	G
S04-Q7X	RR2X	0.4	3	M	MS	IND	2	1	2	PUR	LTW	TN	BL	EXC	2	B	B	G	G	G
S49-F5X	RR2X	4.9	3	MB	MT	IND	3	2	2	PUR	LTW	TN	BL	EXC	2	G	F	G	B	G
S52-Y7X	RR2X	5.2	2	M	MT	IND	3	1	2	PUR	LTW	TN	BL	INC	2	F	F	G	F	G
S53-F7X	RR2X	5.3	2	M	T	IND	2	1	2	PUR	GR	BR	IMB	INC	1	F	G	G	G	B

= Field Forged Series

HERBICIDE-TOLERANT TRAITS

E3 = Enlist E3® Soybean
E3/STS = Enlist E3® Soybean and STS®
XF = XtendFlex®
XF/STS = XtendFlex® and STS®
RR2X = Roundup Ready 2 Xtend®

AGRONOMIC CHARACTERISTICS

1 = Best
9 = Worst
- = Not Available

CANOPY/PLANT TYPE

B = Bush
MB = Medium-Bush
M = Medium
MT = Medium-Thin
T = Thin

PLANT HEIGHT

S = Short
MS = Medium-Short
M = Medium
MT = Medium-Tall
T = Tall

GROWTH HABIT

DET = Determinate
IND = Indeterminate

COLOR ABBREVIATIONS

BF = Buff
BL = Black
BR = Brown
GR = Gray
IMB = Imperfect Black
IMY = Imperfect Yellow
LTW = Light Tawny
PUR = Purple
TN = Tan
TW = Tawny
WH = White
YEL = Yellow

CHLORIDE SENSITIVITY

EXC = Excluder
INC = Includer
- = Not Available

ADAPTATION AND RESPONSES

B = Best
G = Good
F = Fair
P = Poor
- = Not Available

PROTEIN AND OIL

Ratings are based on two-year averages, except in cases where only one year of data is available.



GRAIN QUALITY		DISEASE/PEST RESISTANCE													PRODUCT
% Protein @ 13% mst.	% Oil @ 13% mst.	PHYTOPHTHORA ROOT ROT		SOYBEAN CYST NEMATODE		Southern Stem Canker	Root Knot Nematode Incognita	Iron Deficiency Chlorosis	Brown Stem Rot	Charcoal Rot	Soybean White Mold	Pod & Stem Blight	Sudden Death Syndrome	Frogeye Leaf Spot	NK Soybean Brand
		Gene Resistance	Field Tolerance	Gene Source	Race Resistance										
33.3	18.5	S	3	PI88788	MR3	1	8	4	3	4	-	-	2	4	NK42-T5XF
34.0	18.2	S	3	PI88788	MR3	1	8	3	3	3	-	-	3	2	NK43-V8XF
34.3	18.5	Rps1c	2	PI88788	MR3	1	5	5	3	-	-	-	3	5	NK43-Y9XFS NEW
33.8	18.2	Rps1c	3	PI88788	MR3	1	5	5	3	3	-	-	4	4	NK44-J4XFS
34.9	18.4	S	4	PI88788	R3	1	5	6	4	5	-	-	4	2	NK45-P9XF
33.8	19.1	Rps1k	3	PI88788	R3	1	5	2	3	3	-	-	5	4	NK46-B4XFS NEW
35.9	18.1	Rps1c	3	PI88788	MR3	1	6	5	3	5	-	-	3	2	NK47-Z1XF NEW
33.4	18.6	Rps1k	4	PI88788	MR3, MR14	3	6	4	-	4	-	-	3	2	NK48-H3XFS
36.0	16.6	Rps3a	3	S	S	3	3	4	3	-	-	-	4	-	NK55-T2XF NEW
35.8	16.6	S	4	PI88788	R3	1	6	3	3	-	-	-	5	2	NK57-A3XF
34.5	17.6	S	5	PI88788	MR3	1	6	5	-	-	-	-	4	2	NK64-C5XF NEW
34.4	17.8	S	4	PI88788	R3	1	2	4	4	-	-	-	3	2	NK69-Q4XF
33.6	17.3	S	4	PI88788	MR3, MR14	1	3	6	4	-	-	-	5	2	NK72-B2XF
33.3	17.7	S	4	PI88788	MR3	1	2	5	-	-	-	-	3	2	NK77-Y8XF NEW

-	-	Rps1c	3	S	S	-	-	4	3	-	3	6	-	-	S006-R7X
33.2	18.5	Rps1c	4	S	S	-	-	5	3	-	2	5	-	-	S02-F9X
35.3	18.0	Rps1c	4	PI88788	MR3	1	-	2	3	-	2	3	2	-	S04-Q7X
34.8	18.6	Rps1k	4	PI88788	MR3, MR14	3	7	4	3	4	-	-	4	3	S49-F5X
36.5	17.4	Rps1c	3	PI88788	MR3, MR14	3	3	4	-	3	-	-	4	5	S52-Y7X
33.8	18.8	S	4	PI88788	MR3	3	6	3	3	5	-	-	3	2	S53-F7X

RESISTANCE RATING SYSTEM

Indicates when a variety is resistant to a specific disease or pest. For soybean cyst nematode (SCN), the gene(s) conveying the resistance, the race(s) the variety is resistant against and the degree of resistance are specified, when available. For Phytophthora Root Rot, the gene(s) conveying the resistance and general field tolerance rating are listed.

PHYTOPHTHORA ROOT ROT GENE RESISTANCE

The following genes confer resistance to the listed races of *Phytophthora*:
 Rps1a = Resistant to races 1, 2, 11, 13-18, 26, 27, 31, 32, 36, 48, 50-52, 54, 55
 Rps1c = Resistant to races 1-3, 6-9, 11, 13, 15, 17, 21, 23, 24, 26, 28-30, 32, 34, 36, 41, 42, 44, 48, 50, 52, 54, 55
 Rps1k = Resistant to races 1-9, 11, 13-15, 17, 18, 21-24, 26, 36, 37, 42-44, 46-55
 Rps3a = Resistant to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 27-29, 31-35, 40, 41, 43-45, 47-52, 54
 S = Susceptible (no gene-specific tolerance)

PHYTOPHTHORA ROOT ROT FIELD TOLERANCE

Field tolerance is usually not as complete as race-specific resistance, but it offers general protection. Resistance is not expressed in early stages of plant development. Numerical rating scale of 1-9; 1 = Best.

SCN GENE SOURCE

The PI88788 and Peking genes confer varying resistances to certain races of SCN.
 S = Susceptible (no gene-specific resistance).
 Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.

SCN RACE RESISTANCE

R = Resistant
 MR = Moderately Resistant
 S = Susceptible (no gene-specific resistance)
 1, 3, 5 and/or 14 = SCN race(s) for which resistance is conferred

DISEASE/PEST RESISTANCE

1 = Best
 9 = Worst
 - = Not Available

NK Soybean Variety Description Key

S or **NK** indicates NK soybeans.

Indicates **maturity group and relative maturity** within the group, on a scale of 0-7 (0 = early, 7 = late).

Randomly designated digits.

Denotes **herbicide technology**.

Designates an **STS variety**.

Indicates product is part of the **Field Forged Series**.

Indicates **new product for 2023**.

Specific **relative maturity** for this variety.

NK20-B6E3S Brand

FIELD FORGED
SERIES

NEW

RM 2.0

Providing healthy ROI potential and featuring SDS and IDC tolerance

- Widely adapted, excelling on soils with high organic matter
- Excellent top-end yield potential and standability for the highly productive acre
- Responds well to early planting, adding more potential height and yield

RATING SCALE:

9 7 5 3 1 (Best)

EMERGENCE



STANDABILITY



PHYTOPHTHORA FIELD TOLERANCE



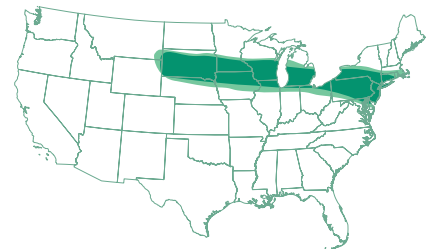
SUDDEN DEATH SYNDROME



SOYBEAN WHITE MOLD



IRON DEFICIENCY CHLOROSIS



Herbicide Technology

E3 =



XF =

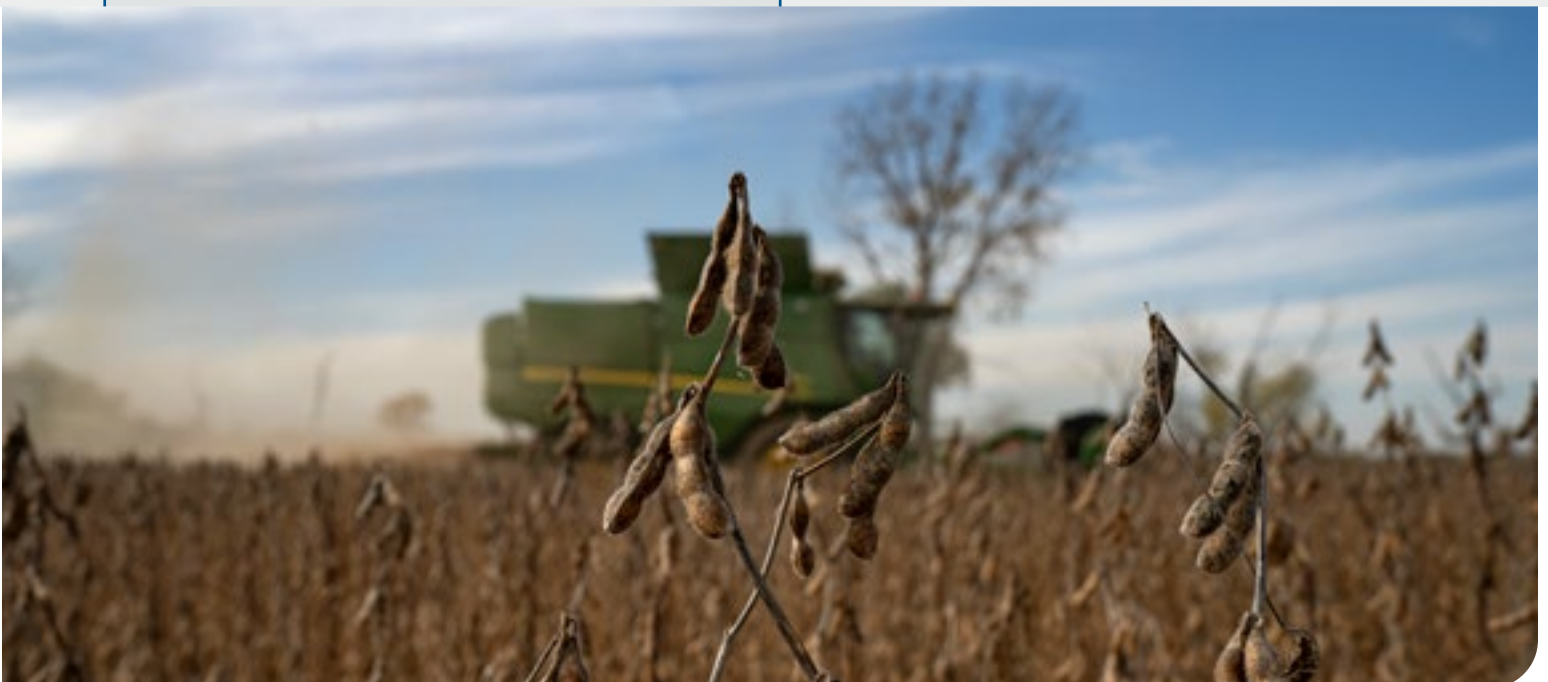


RR2X =



Herbicide tolerance traits.

Primary (dark green) and, where applicable, secondary (light green) **areas of adaptation** for this variety. Areas are suggested; performance may vary.





A New Level of

WEED CONTROL

Enlist E3[®] soybeans from NK Seeds blend elite genetics and proven technology to provide tolerance to three herbicide modes of action – for more flexibility in how they are used than any other trait available.

Glyphosate | Glufosinate | 2,4-D Choline

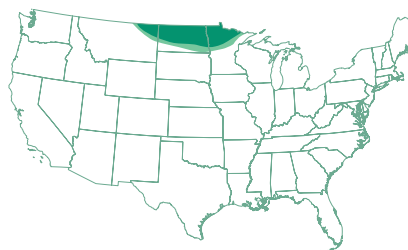
S008-E3 Brand

RM 0.08

Early variety with Soybean Cyst Nematode resistance

- Strong performance in high-yield environments
- Solid stress tolerance
- Very good tolerance to Iron Deficiency Chlorosis

RATING SCALE:	9	7	5	3	(Best) 1
EMERGENCE	[Bar]				
STANDABILITY	[Bar]				
PHYTOPHTHORA FIELD TOLERANCE	[Bar]				
SUDDEN DEATH SYNDROME	Not Available				
SOYBEAN WHITE MOLD	[Bar]				
IRON DEFICIENCY CHLOROSIS	[Bar]				



NK009-G7E3 Brand

FIELD FORGED SERIES

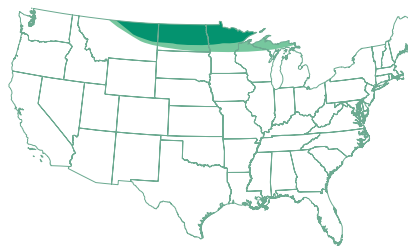
NEW

RM 0.09

Excellent agronomics with top-end yield potential

- Very good Iron Deficiency Chlorosis tolerance combined with Soybean Cyst Nematode resistance
- Outstanding Phytophthora Root Rot field tolerance with Rps1c/3a gene stack
- Good stress tolerance and performance across yield environments

RATING SCALE:	9	7	5	3	(Best) 1
EMERGENCE	[Bar]				
STANDABILITY	[Bar]				
PHYTOPHTHORA FIELD TOLERANCE	[Bar]				
SUDDEN DEATH SYNDROME	Not Available				
SOYBEAN WHITE MOLD	[Bar]				
IRON DEFICIENCY CHLOROSIS	[Bar]				



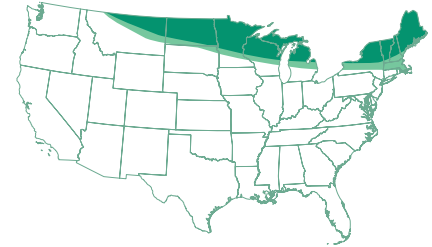
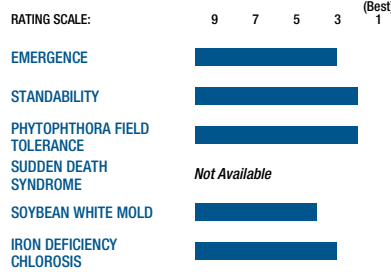
NK02-T4E3 Brand

NEW

RM 0.2

Strong branching contributes to high yield potential

- Stacked Rps1c/3a genes and great Phytophthora Root Rot field tolerance allow planting on poorly drained fields
- Dependable tolerance to Iron Deficiency Chlorosis
- Medium-short plant type with excellent standability



NK03-V5E3 Brand

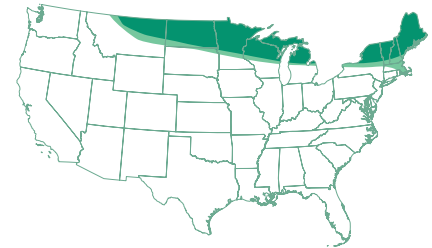
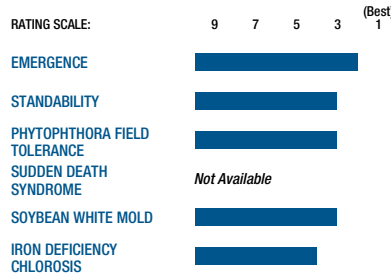
FIELD FORGED SERIES

NEW

RM 0.3

Proven standability and Soybean White Mold tolerance

- Good stress bean suitable for all yield environments
- Rps1c gene with strong field tolerance to Phytophthora Root Rot
- Great choice for high-yield environments

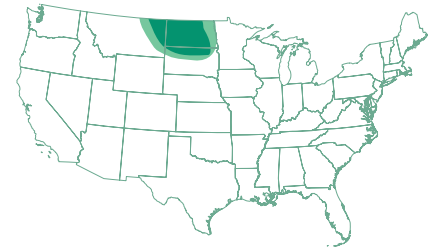
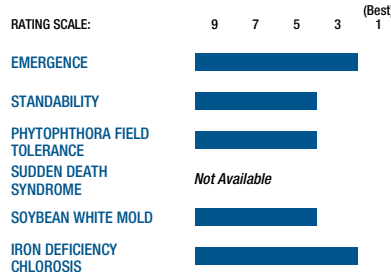


NK04-G8E3 Brand

RM 0.4

Western-adapted genetics

- Great Iron Deficiency Chlorosis tolerance
- Stacked Rps1c/3a genes for tolerance to Phytophthora Root Rot
- Solid choice for drought-stressed acres



NK06-D9E3 Brand

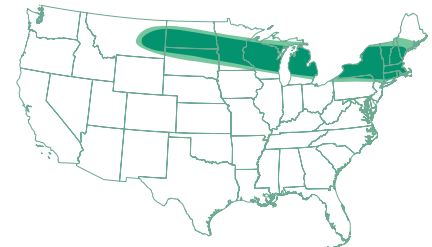
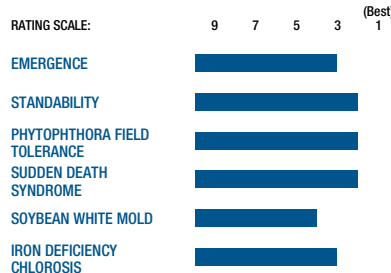
FIELD FORGED SERIES

NEW

RM 0.6

Strong agronomic package with great yield potential

- Rps3a gene for genetic resistance to Phytophthora Root Rot
- Reliable tolerance to Iron Deficiency Chlorosis
- Great standability with above-average Soybean White Mold tolerance

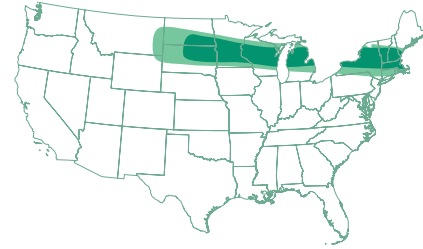
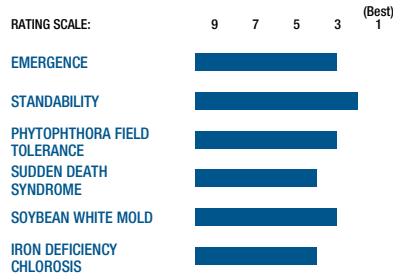


NK08-V9E3 Brand

RM 0.8

Exciting yield potential on the Enlist E3 soybean trait platform

- Good agronomics for high-yielding environments
- Excellent standability with strong tolerance to Soybean White Mold
- Good tolerance to Iron Deficiency Chlorosis



NK09-H7E3 Brand

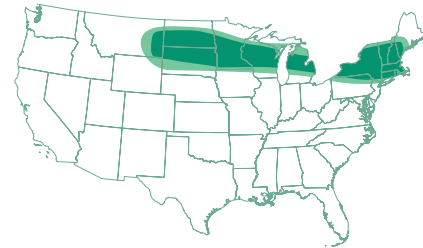
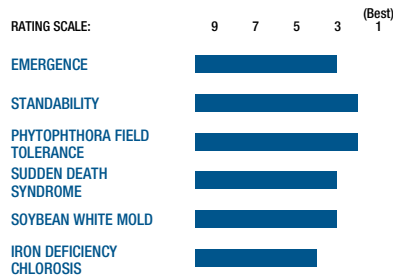
FIELD FORGED SERIES

NEW

RM 0.9

Yield stability across changing environments

- Excellent standability with dependable tolerance to Soybean White Mold
- Very strong field tolerance to Phytophthora Root Rot with the Rps1k gene
- Good performance in all yield environments, including stress acres

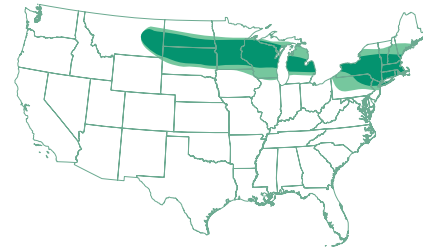
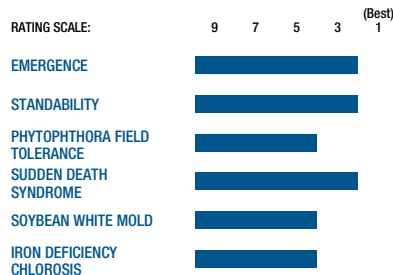


S10-E3 Brand

RM 1.0

Solid defense in an Enlist E3 soybean trait package

- Above-average tolerance to Iron Deficiency Chlorosis
- Sound tolerance to Soybean White Mold
- Strong field tolerance to Phytophthora Root Rot

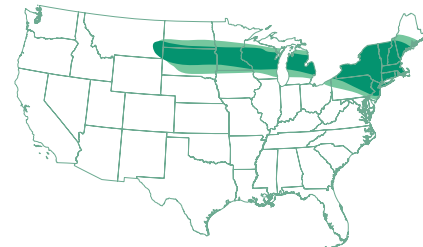
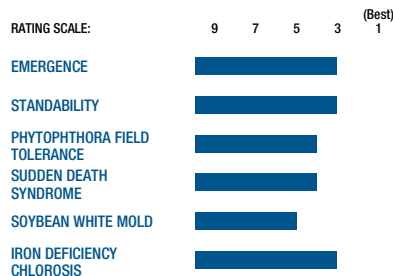


S13-E3 Brand

RM 1.3

Strong performance across a wide geography

- Soybean Cyst Nematode protection with very good tolerance to Iron Deficiency Chlorosis
- Rps1c gene with solid Phytophthora Root Rot field tolerance
- Medium-bush canopy helps close the row



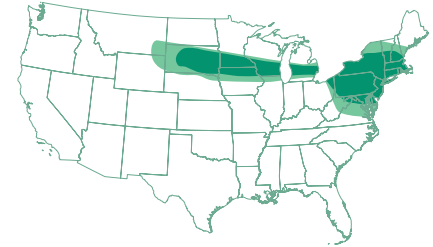
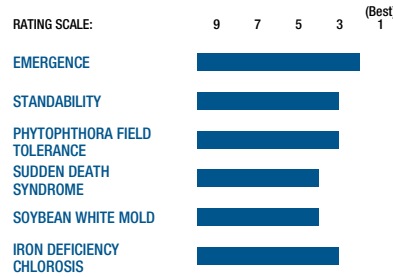
NK14-W6E3 Brand

FIELD FORGED
SERIES

RM 1.4

Peking Soybean Cyst Nematode protection with very good yield potential

- Stacked Rps1c/3a genes provide strong tolerance to Phytophthora Root Rot
- Solid standability
- Performs well on both tough ground and highly productive acres

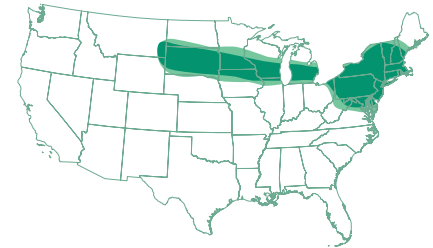
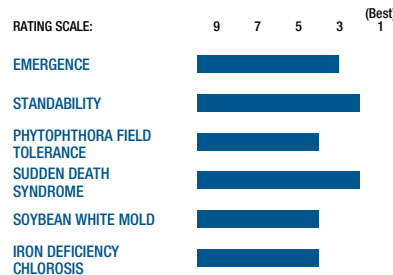


S17-E3 Brand

RM 1.7

Combines strong yield potential with agronomics

- Excellent Sudden Death Syndrome tolerance
- Great standability with good Soybean White Mold tolerance for the highly productive acre
- Stable performance across environments



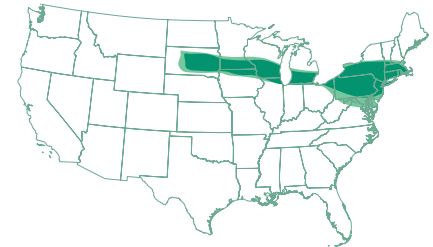
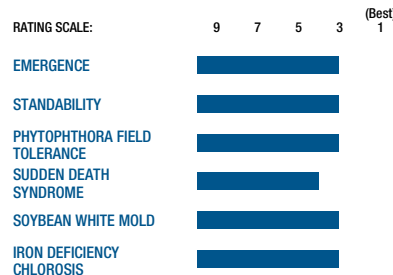
NK18-J7E3 Brand

FIELD FORGED
SERIES

RM 1.8

Strong genetics for the Enlist E3 soybean trait platform

- Performs well across yield environments, including highly productive fields
- Solid standability with very good tolerance to Soybean White Mold
- Dependable drought tolerance



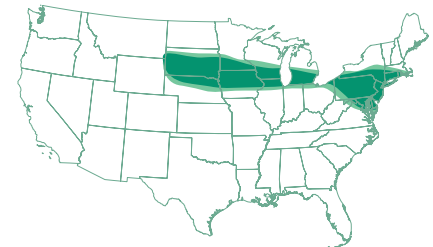
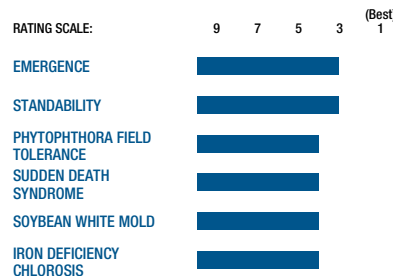
NK19-T8E3S Brand

NEW

RM 1.9

Peking source of SCN resistance with broad adaptation

- Strong yield potential at all productivity levels
- Very good standability for high-yield environments
- Moderate plant type that works well across row widths





Sometimes you plant a new product and your yield suffers, but we didn't see that with our NK brand Enlist E3 soybeans. They're just a **good product with a good seed quality.**

We've been really happy with the NK brand Enlist E3 soybeans, and the NK team has been excellent to work with. I have nothing but good things to say and would definitely recommend them to other farmers.



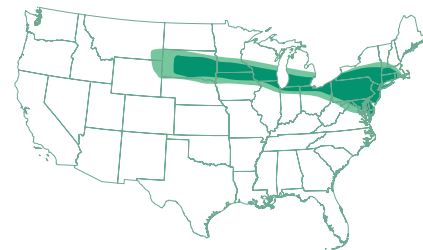
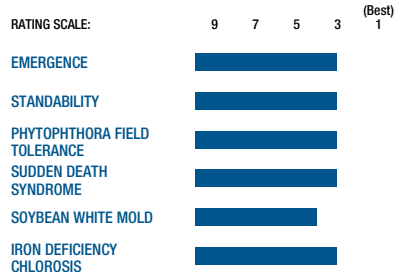
Tony Lorenzen | FARMER
CHRISMAN, ILLINOIS

NK19-Y5E3 Brand

RM 1.9

Step-change in performance

- Very good tolerance to Sudden Death Syndrome
- Rps1k gene with strong field tolerance to Phytophthora Root Rot
- Medium-tall plant type with good stress tolerance



NK20-B6E3S Brand

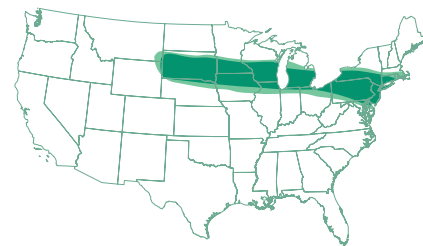
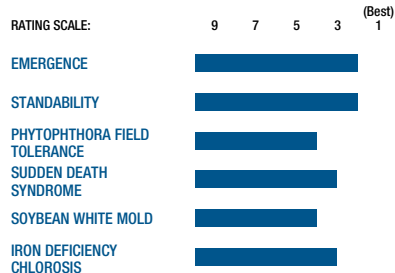
FIELD FORGED
SERIES

NEW

RM 2.0

Providing healthy ROI potential and featuring SDS and IDC tolerance

- Widely adapted, excelling on soils with high organic matter
- Excellent top-end yield potential and standability for the highly productive acre
- Responds well to early planting, adding more potential height and yield



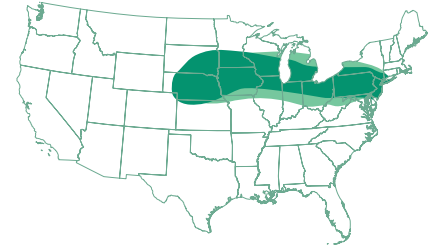
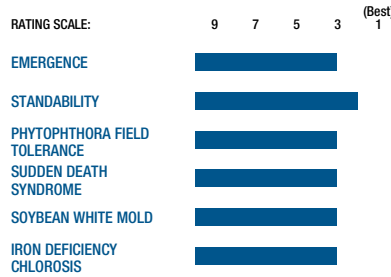
NK22-C4E3 Brand



RM 2.2

Strong yield potential with broad adaptation

- Performs well at any yield level and across soil types
- Rps1c gene for resistance to Phytophthora Root Rot with strong field tolerance
- Recommended for high-pH acres



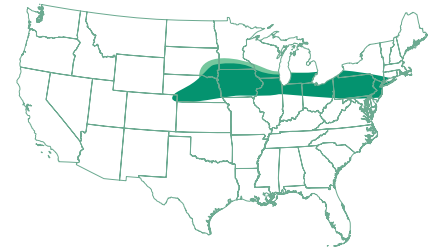
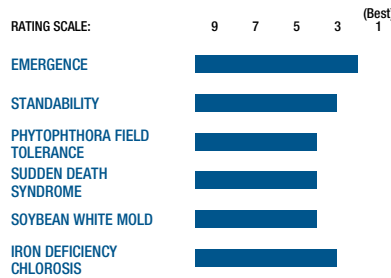
NK22-R2E3S Brand

NEW

RM 2.2

Revved up to maximize top-end yield potential

- Best when placed in productive environments and highly managed acres
- Medium-tall plant that works equally well across soil types
- Great choice for Soybean Cyst Nematode/Iron Deficiency Chlorosis acres



The NK varieties are as good as **if not better than the competition**. The pricing is good, and they have the service and technology behind their products, so I see no reason to switch to any other product.



Ronald Wingfield | FARMER
COLUMBUS GROVE, OHIO



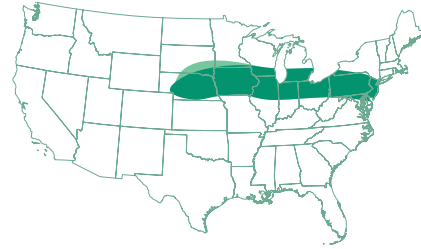
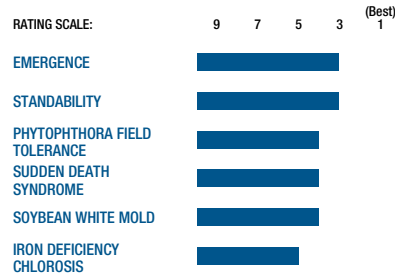
NK24-A2E3S Brand

NEW

RM 2.4

Versatility to handle many environments

- Broadly adapted from west to east
- Plant type extends placement to stress-prone environments
- Very good standability for an easy harvest

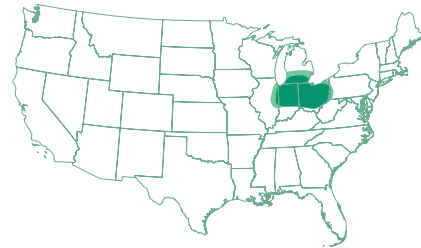
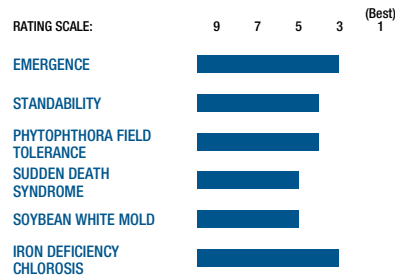


S25-2E3 Brand

RM 2.5

Rugged plant type with stress tolerance

- Strong performance across variable soils
- Very good emergence and vigor for early canopy closure
- Solid Phytophthora Root Rot tolerance

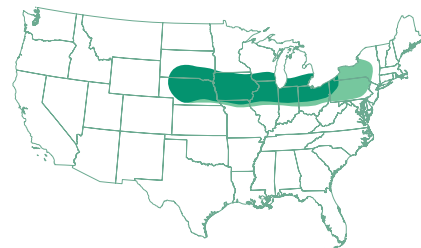
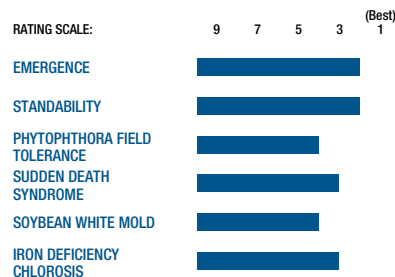


S26-E3 Brand

RM 2.6

Dependable Sudden Death Syndrome tolerance with Peking source of Soybean Cyst Nematode resistance

- Best performance in zone and north of zone
- Recommended for Iron Deficiency Chlorosis acres
- Rps1k gene with good Phytophthora Root Rot field tolerance

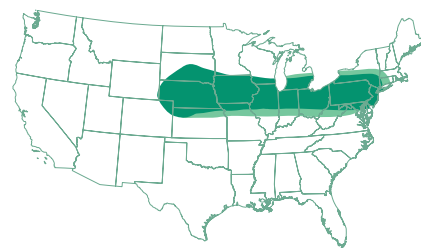
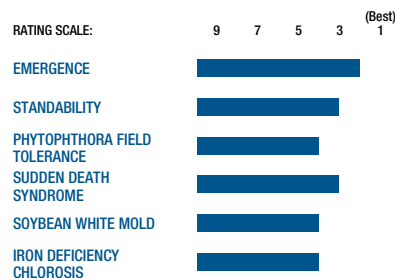


S28-E3 Brand

RM 2.8

High yield potential, go-almost-anywhere genetics

- Broadly adapted with flexibility to move north or south
- Brings together Sudden Death Syndrome, Soybean Cyst Nematode and Soybean White Mold protection
- Easy-to-manage plant type supports all row spacings



NK29-Z4E3 Brand

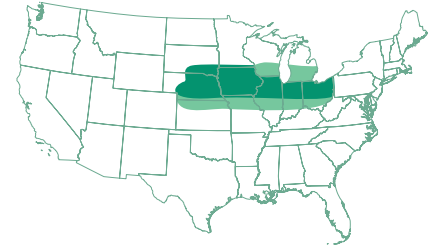
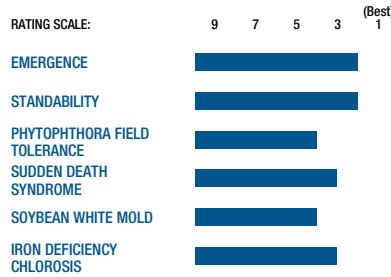
FIELD FORGED
SERIES

NEW

RM 2.9

Great yield potential, stability and complete disease package

- Performs equally well across Group 2; excels in soils with high water-holding capacity
- Features stacked Rps genes and proven Sudden Death Syndrome, Iron Deficiency Chlorosis and Frogeye Leaf Spot tolerance
- Recommended for high-pH soils



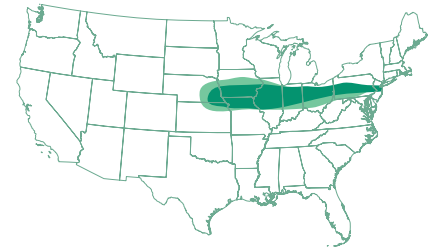
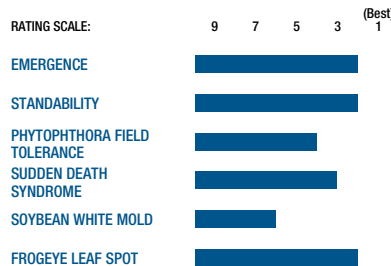
NK30-B2E3 Brand

NEW

RM 3.0

Awesome yield potential with superb standability

- Best performance in high-yield environments
- Ability to handle any soil type
- Soybean White Mold should be considered during placement



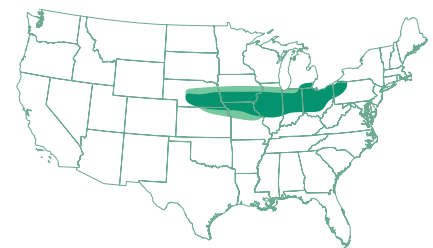
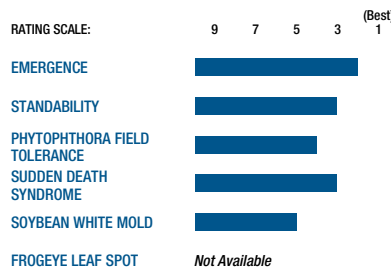
NK31-M7E3 Brand

FIELD FORGED
SERIES

RM 3.1

Broadly adapted with defensive traits

- Stacked Rps1k/3a Phytophthora Root Rot genes
- Good choice for fine-textured soils with high water-holding capacity
- Performs north or south of zone

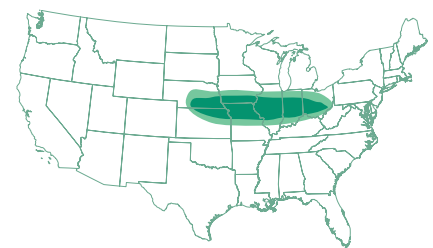
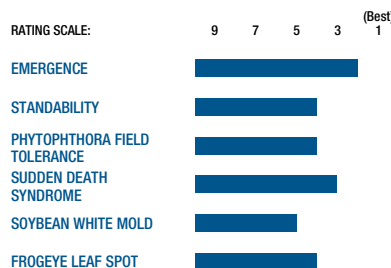


NK33-R4E3 Brand

RM 3.3

Stable yield potential across many environments

- Suitable for any acre while excelling on fine-textured soils
- Solid Sudden Death Syndrome and emergence for early planting
- Flexible to handle stress from excess water or drought



NK33-W2E3S Brand

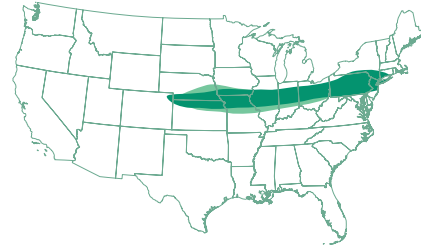
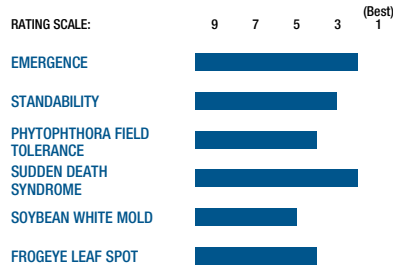
FIELD FORGED
SERIES

NEW

RM 3.3

Stable yield potential across environments

- Good choice for fine-textured and poorly drained soils
- Outstanding tolerance to Sudden Death Syndrome allows for early planting
- STS tolerance for added placement options

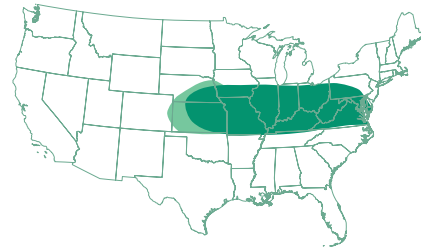
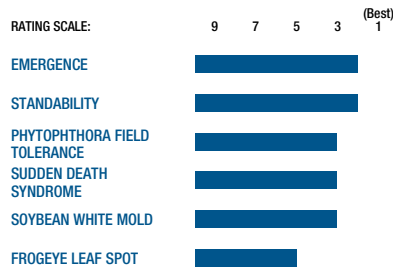


S35-E3 Brand

RM 3.5

Superior performance across geographies

- Very strong yield potential across multiple years
- Reliable Sudden Death Syndrome tolerance
- Exceptional Southern Stem Canker protection



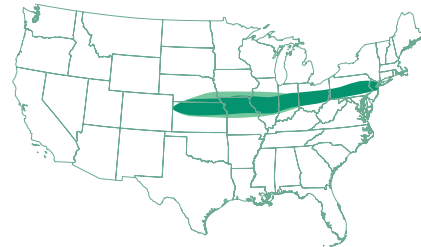
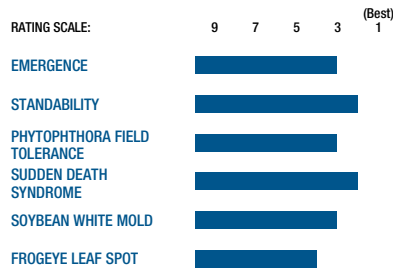
NK36-H9E3S Brand

NEW

RM 3.6

Great stability for broad placement

- Superb Sudden Death Syndrome tolerance
- Excellent standability all season long
- Rps1k gene with dependable Phytophthora Root Rot field tolerance



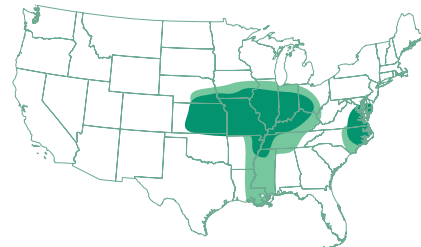
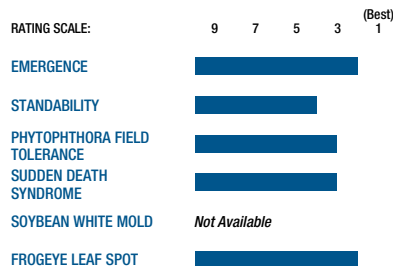
NK37-V4E3S Brand

FIELD FORGED
SERIES

RM 3.7

Outstanding performance protected by a great defensive package

- Excellent tolerance to Frogeye Leaf Spot and solid Sudden Death Syndrome protection
- Robust plant type with STS tolerance for double-crop acres
- Stable yields in all drainage situations





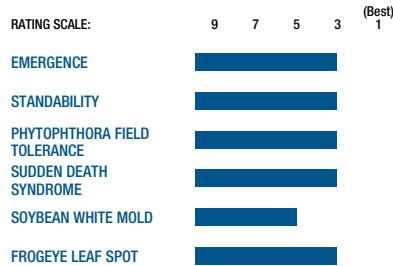
NK38-D2E3S Brand

NEW

RM 3.8

Exceptional yield potential with dependable defense

- Rps1c gene with solid Phytophthora Root Rot field tolerance
- STS tolerance for more flexible placement
- Strong tolerance to Frogeye Leaf Spot

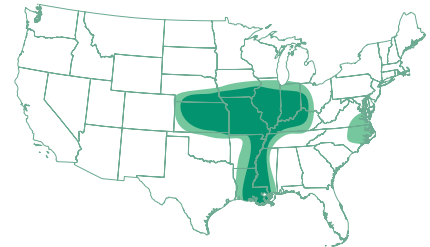
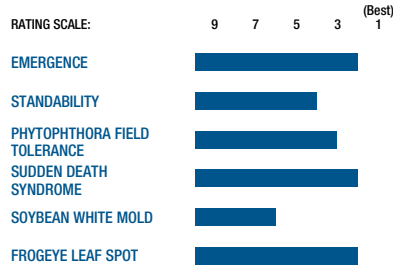


NK39-T5E3S Brand

RM 3.9

Versatile product with exceptional yield potential

- Rugged plant type with STS tolerance and Excluder gene
- Superb protection from Sudden Death Syndrome, Frogeye Leaf Spot and Southern Stem Canker
- Excellent choice for stress acres

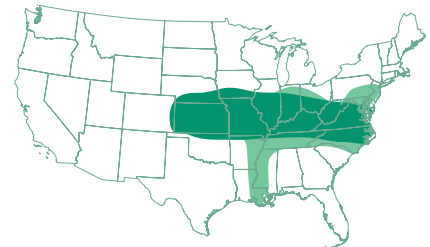
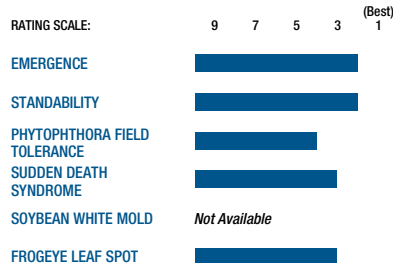


S39-E3 Brand

RM 3.9

Great yield potential across environments

- Proven tolerance to Sudden Death Syndrome and Frogeye Leaf Spot
- Ability to handle drought stress
- Widely adapted for easy placement



NK40-P5E3 Brand

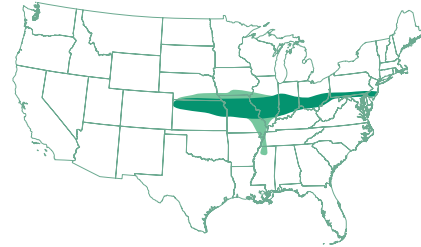
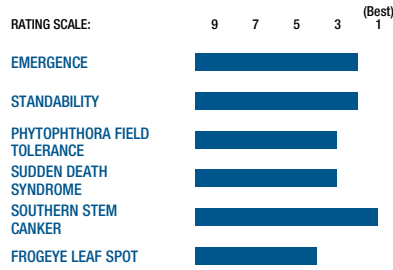


NEW

RM 4.0

Workhorse reliability with top-end yield potential

- Very good Phytophthora Root Rot and Sudden Death Syndrome tolerance
- Excels on poorly drained, fine-textured soils
- Great standability with the Excluder gene

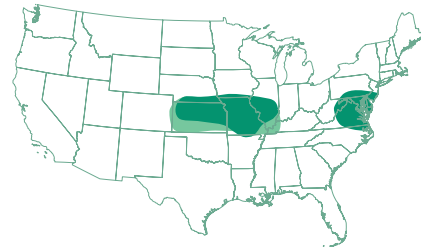
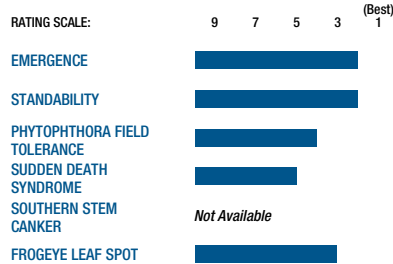


S41-E3 Brand

RM 4.1

Top performance on the tough acre

- Broadly adapted across Group 4 acres
- Great season-long standability
- Wide plant type shades rows quickly

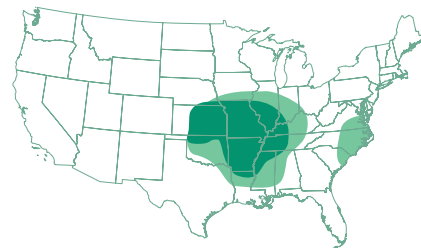
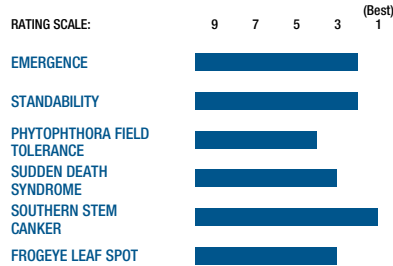


NK43-P7E3S Brand

RM 4.3

Enlist E3 soybean with STS tolerance

- Dependable Frogeye Leaf Spot tolerance
- Great choice for tough, drought-prone acres
- Well suited for first-crop and double-crop acres



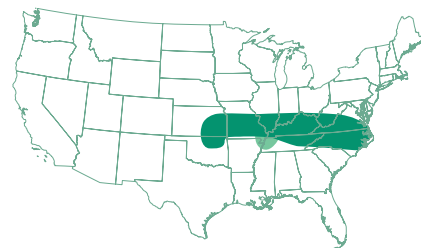
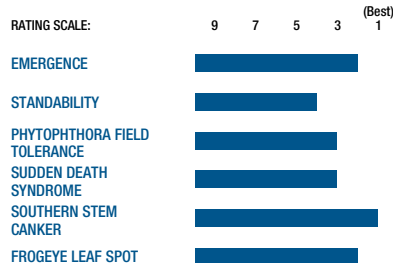
NK44-Q5E3S Brand

NEW

RM 4.4

Widely adapted with STS tolerance

- Best performance on moderate- to coarse-textured soil types
- Excellent defensive package for tough acres
- Great choice for dryland acres

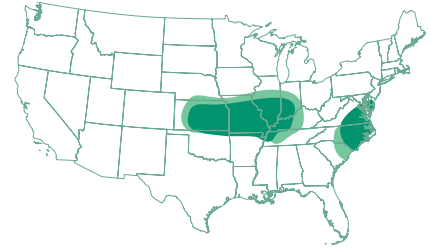
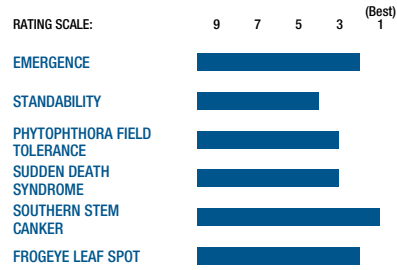


NK45-V9E3 Brand

RM 4.5

Rugged plant type with drought stress tolerance

- Great choice for dryland acres
- Excellent Frogeye Leaf Spot tolerance with proven Sudden Death Syndrome tolerance
- Moderate tolerance to Root Knot Nematode

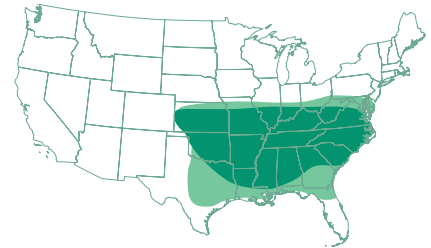
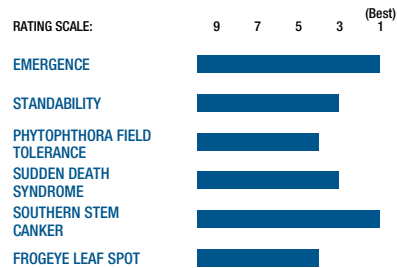


S46-E3S Brand

RM 4.6

Top performance with STS tolerance and Chloride Excluder

- Well suited for either dryland or irrigated acres
- Excellent choice for clay soils
- Tremendous Southern Stem Canker tolerance

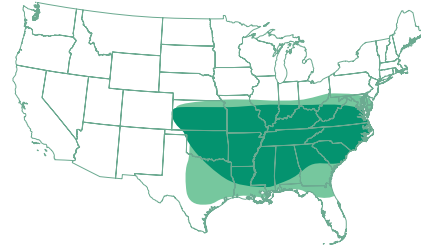
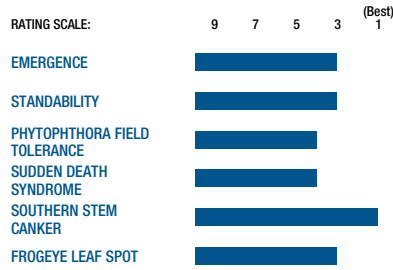


NK49-T6E3S Brand

RM 4.9

Great combination of STS tolerance, Excluder gene and performance

- Robust plant type for drought-stressed acres
- Very good Frogeye Leaf Spot tolerance
- Excels on fine-textured, poorly drained soils



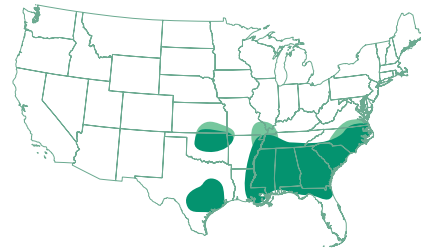
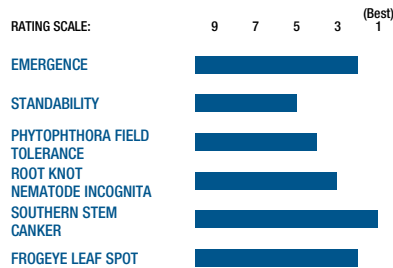
NK52-D6E3 Brand

NEW

RM 5.2

Exciting new genetics in a Group 5 Enlist E3 soybean

- Desirable combination of Root Knot Nematode tolerance with Chloride Excluder
- Broadly adapted to any soil type and drainage class
- Rugged plant type that delivers exceptional stress tolerance



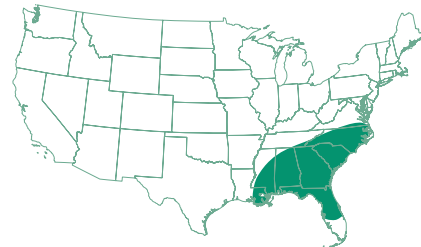
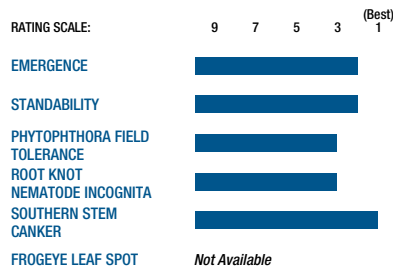
NK65-H5E3 Brand

NEW

RM 6.5

Determinate Enlist E3 soybean with good Root Knot Nematode tolerance

- Great performance on medium- to coarse-textured soil types
- Adapted to both dryland and irrigated acres
- Well suited for both narrow- and wide-row applications



NK68-G2E3S Brand

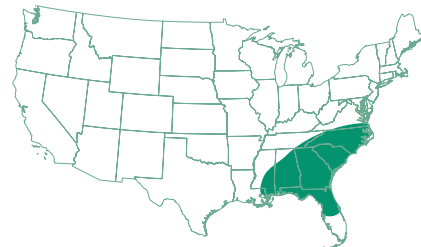
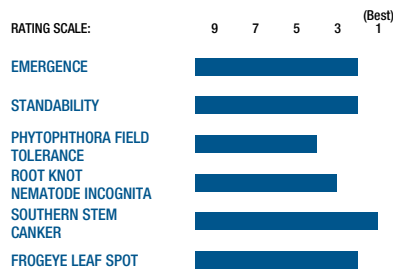
FIELD FORGED SERIES

NEW

RM 6.8

Exciting new determinate Enlist E3 soybean for the East Coast

- Fantastic performance on medium- to coarse-textured soils
- Strong Root Knot Nematode tolerance with top-end yield potential
- Adapted to both dryland and irrigated acres





Industry's First

▶ TRIPLE-STACKED Herbicide Tolerance

XtendFlex® soybeans from NK Seeds combine our proven, high-performing soybean genetics with triple-stacked herbicide tolerance for greater application flexibility.

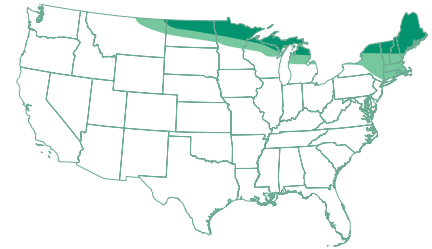
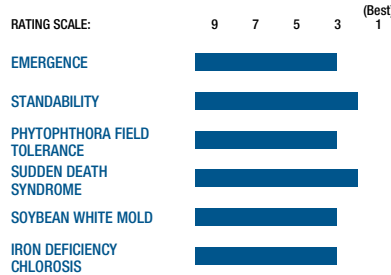
- Tolerance to dicamba, glyphosate and glufosinate herbicides
- Greater flexibility for managing tough-to-control weeds, preemergence and post-emergence
- High-yielding trait technology stacked on strong yield potential and agronomics

NK009-T1XF Brand

RM 0.09

Early Soybean Cyst Nematode product with great performance

- Solid Phytophthora Root Rot tolerance enables placement on poorly drained soils
- Genetic background that brings strong tolerance to Soybean White Mold
- Moves south of zone well

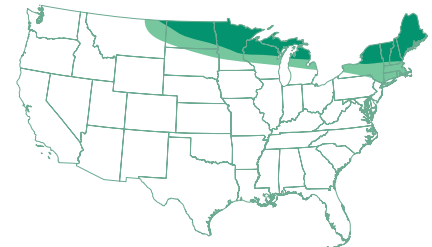
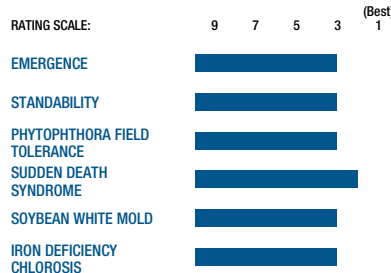


NK02-M4XF Brand

RM 0.2

S01-C4X type performance with Soybean Cyst Nematode resistance

- Dependable standability and strong tolerance to Soybean White Mold
- Solid Phytophthora Root Rot field tolerance
- Good fit for both highly productive and stress acres



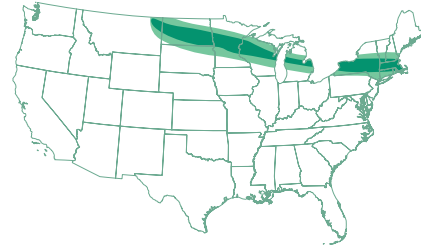
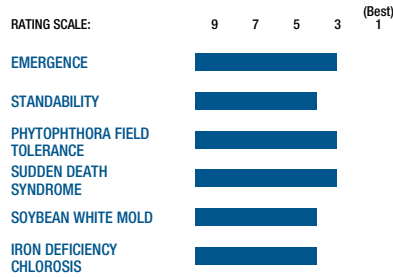
NK05-W3XF Brand

FIELD FORGED
SERIES

RM 0.5

Excellent yield potential with stress tolerance

- Rps1c gene with strong field tolerance to Phytophthora Root Rot
- Great performance on poorly drained and drought-prone soils
- Good stem drydown and pod height for easy cutting



X TENDFLEX
CORP.

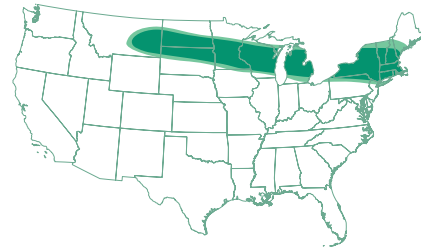
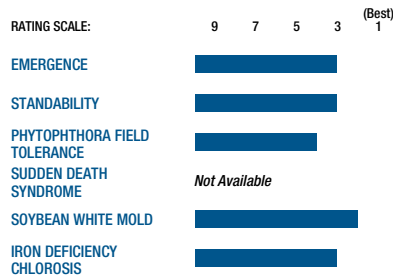
NK06-P2XF Brand

NEW

RM 0.6

Iron Deficiency Chlorosis bean with fantastic yield potential

- Very good Iron Deficiency Chlorosis tolerance with the Excluder gene
- Excellent tolerance to Soybean White Mold
- Moderate plant height with dependable standability



X TENDFLEX
CORP.

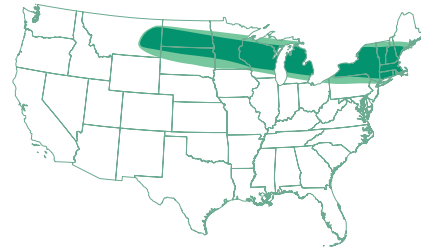
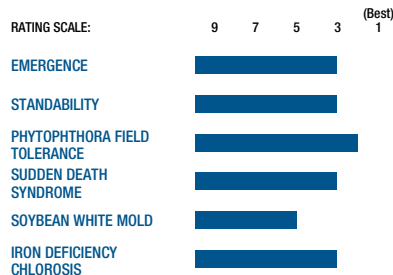
NK08-M1XF Brand

NEW

RM 0.8

New genetics with great yield potential

- Adapted to both poorly drained and drought-prone soils
- Soybean Cyst Nematode resistance paired with strong Iron Deficiency Chlorosis tolerance
- Excellent field tolerance to Phytophthora Root Rot



X TENDFLEX
CORP.

NK09-B5XF Brand

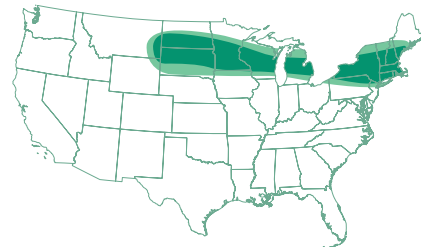
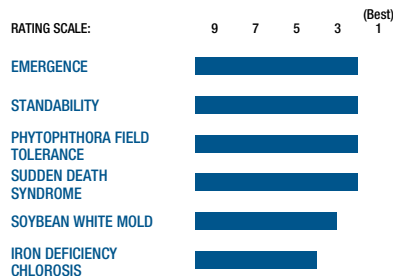
FIELD FORGED
SERIES

NEW

RM 0.9

Fresh genetics with broad placement

- Medium-short plant type with excellent standability
- Rps1c/3a gene stack provides excellent Phytophthora Root Rot protection
- Strong tolerance to Soybean White Mold



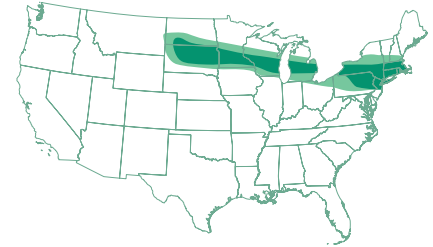
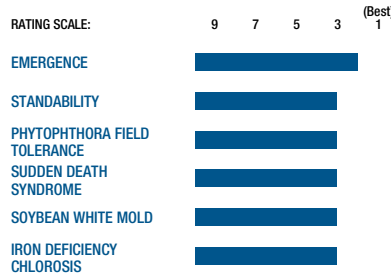
X TENDFLEX
CORP.

NK10-W8XF Brand

RM 1.0

Solid agronomics and disease package

- Great drought stress tolerance with strong performance in coarse-textured soils
- Rps1c gene and solid field tolerance to Phytophthora Root Rot
- Reliable tolerance to Sudden Death Syndrome



NK13-Y4XF Brand

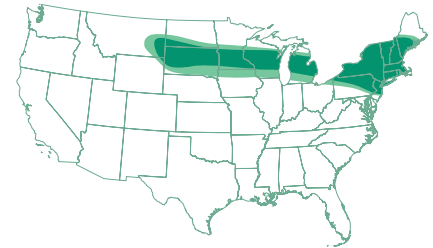
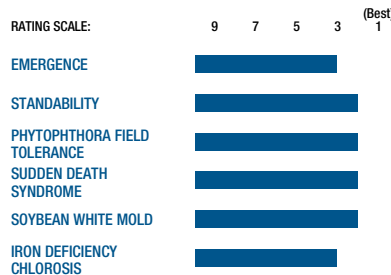
FIELD FORGED SERIES

NEW

RM 1.3

Trusted genetics with impressive agronomics

- Broadly adapted across soil types to allow for easy placement
- Rps1c/3a gene stack with strong performance in saturated soils
- Very strong Soybean White Mold tolerance with excellent standability

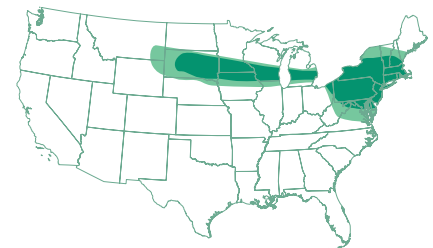
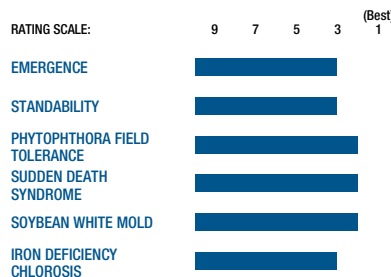


NK14-C7XF Brand

RM 1.4

Consistent performance with a complete defensive package

- Proven genetics that are broadly adapted across soil types
- Strong standability with excellent tolerance to Soybean White Mold
- Good choice for poorly drained soils



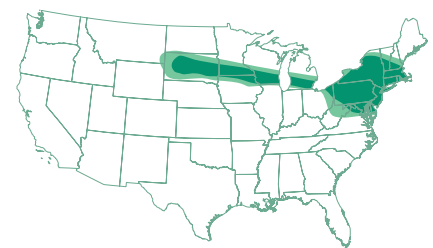
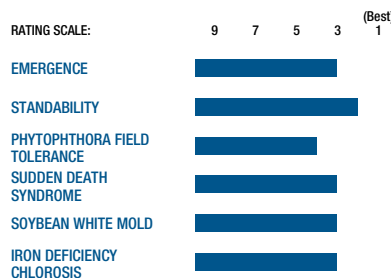
NK17-M2XF Brand

FIELD FORGED SERIES

RM 1.7

Trusted genetics bring excellent yield potential for maturity

- Medium-tall plant type with great standability
- Very good tolerance to Sudden Death Syndrome
- Strong performance across yield environments





The biggest thing we need with beans is the disease package. We have problems with White Mold, and with the NK beans, we **haven't seen White Mold in our fields** versus the other brands we've planted.



Jason Lohmann | FARMER
ZUMBROTA, MINNESOTA

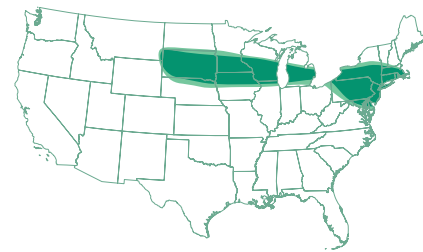
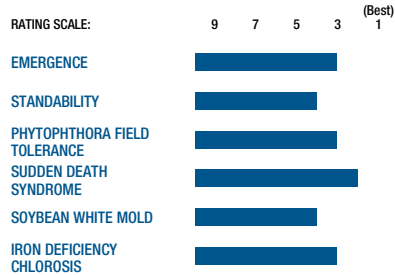
NK19-D5XF Brand

NEW

RM 1.9

High-performing genetics with top-end yield potential

- Excellent Sudden Death Syndrome tolerance
- Strong tolerance to Iron Deficiency Chlorosis
- Great option for poorly drained soils with strong Phytophthora Root Rot field tolerance



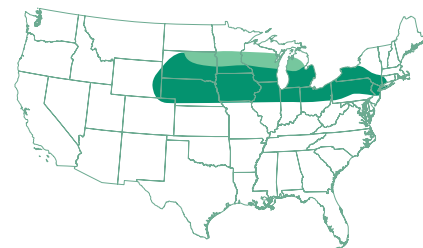
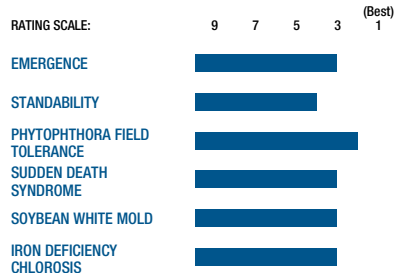
NK21-H4XF Brand

FIELD FORGED SERIES

RM 2.1

Exceptional yield potential with great defensive traits

- Widely adapted while thriving on poorly drained soils
- Very good protection against Phytophthora Root Rot, Sudden Death Syndrome and Iron Deficiency Chlorosis
- Strong performance moving south of zone



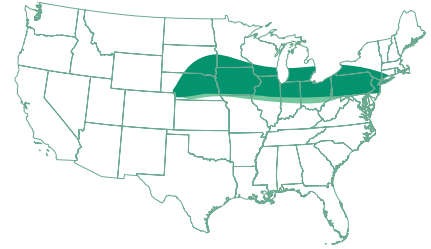
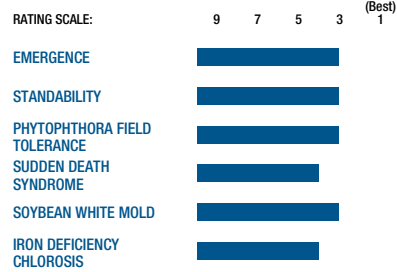
NK23-T9XF Brand

NEW

RM 2.3

Exciting Soybean White Mold genetics protect yield potential

- Widely adapted with best performance on fine- and medium-textured soils
- Dependable Soybean White Mold tolerance and standability
- Good choice to move south of zone



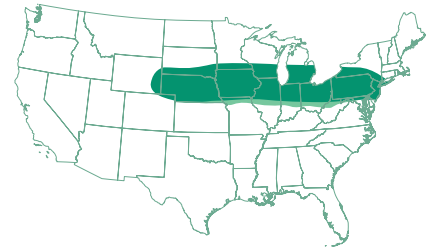
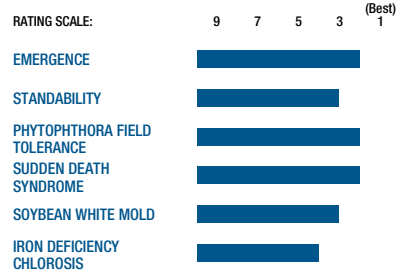
NK25-C9XF Brand

FIELD FORGED SERIES

RM 2.5

Excellent performance with great Sudden Death Syndrome protection

- Very versatile, performing well north and south of zone
- Superb Sudden Death Syndrome tolerance paired with strong Cyst Nematode resistance
- Sound option for Soybean Cyst Nematode/Iron Deficiency Chlorosis acres



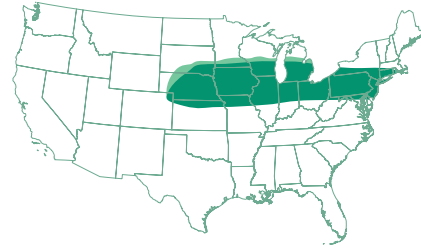
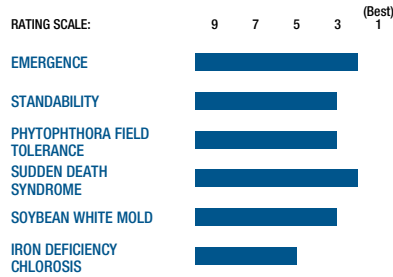
NK27-A7XF Brand

FIELD FORGED SERIES

RM 2.7

Exciting genetics with top-end yield potential

- Widely adapted with outstanding Sudden Death Syndrome tolerance
- Strong Phytophthora Root Rot field tolerance with Rps1c gene
- Very good standability for productive acres



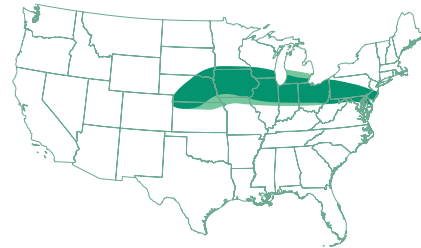
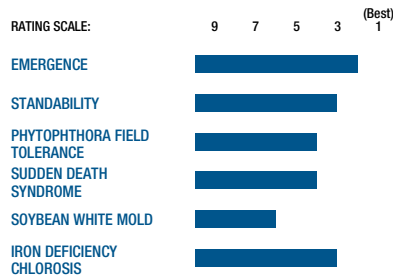
X TENDFLEX VARIETIES

NK28-T3XF Brand

RM 2.8

Very good top-end yield potential

- Excels on medium-texture soils and productive acres
- Medium-bush plant type that allows for placement on variable soils
- Solid standability for highly managed acres



X TENDFLEX VARIETIES

NK30-U4XF Brand

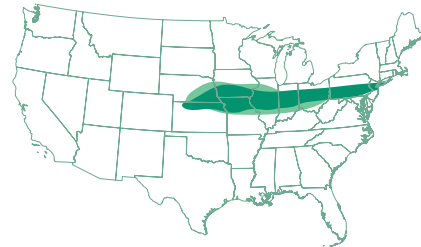
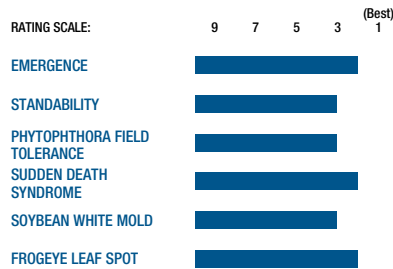
FIELD FORGED SERIES

NEW

RM 3.0

Spectacular bulk tank bean

- Provides strong standability with excellent top-end yield potential
- Excels in highly productive environments
- Steadfast agronomics and solid disease traits enable easy placement



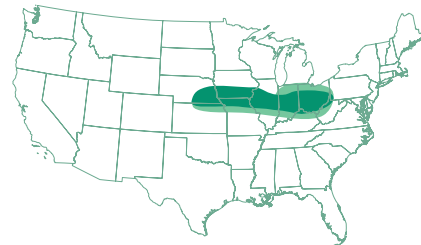
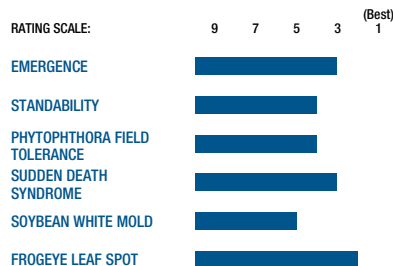
X TENDFLEX VARIETIES

NK31-J9XF Brand

RM 3.1

Versatile product with exceptional yield potential

- Best performance in high-yield environments
- Handles any soil type, texture or drainage situation
- Solid Sudden Death Syndrome tolerance with the Frogeye Leaf Spot gene to protect bushels



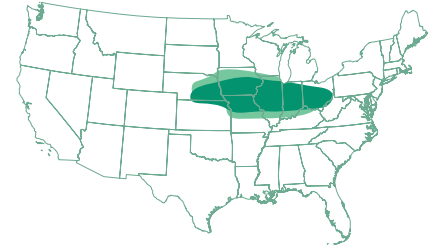
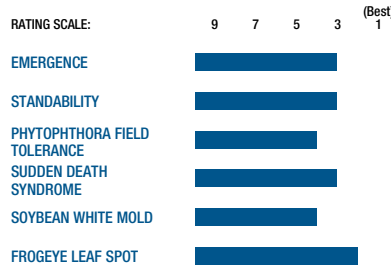
X TENDFLEX VARIETIES

NK34-G1XF Brand

RM 3.4

Maximizes yield potential across environments

- Great performance both north and south of zone
- Solid disease package supports top-end yield potential
- Broadly adapted across soil types

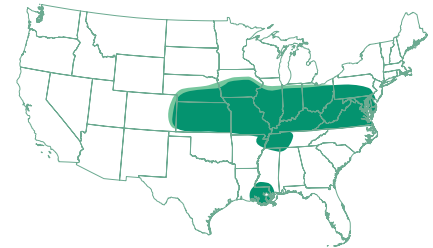
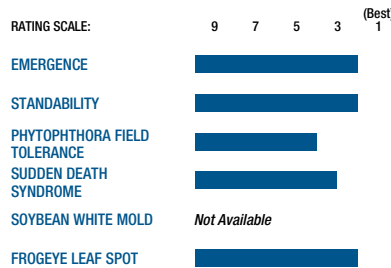


NK37-Z9XF Brand

RM 3.7

Stable performance across all yield environments

- Great yield potential both north and south of zone
- Good option for powering through drought
- Stable yield potential from early to late planting dates



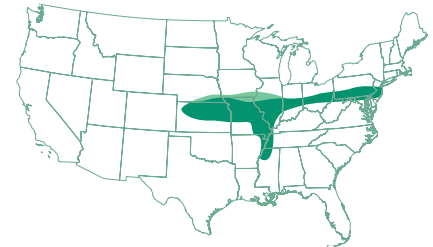
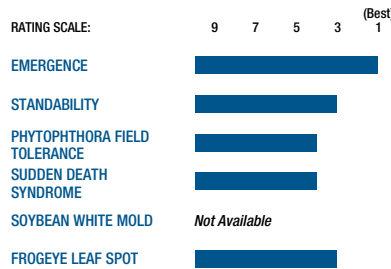
NK38-G9XF Brand

NEW

RM 3.8

Stable across all environments with a strong western adaptation

- Major parent provides good stress tolerance
- Versatile product to plant on any soil type
- Dependable Charcoal Root Rot tolerance to protect yield potential



NK39-M8XF Brand

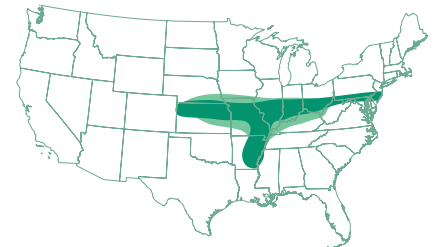
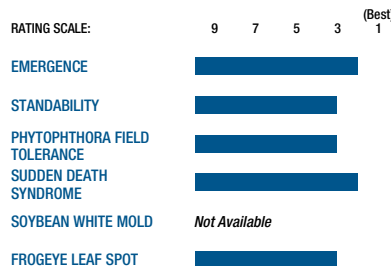
FIELD FORGED SERIES

NEW

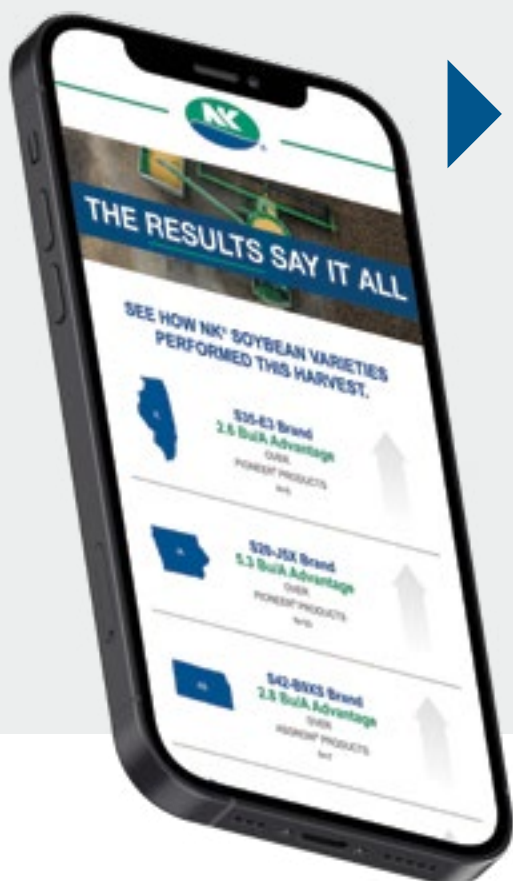
RM 3.9

Exciting top-end yield potential and proven defensive package

- Broadly adapted genetic background with improved Charcoal Root Rot tolerance
- Flexible for placement on all soil types
- Outstanding Sudden Death Syndrome tolerance



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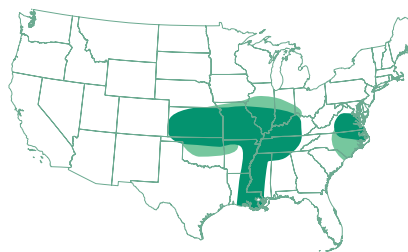
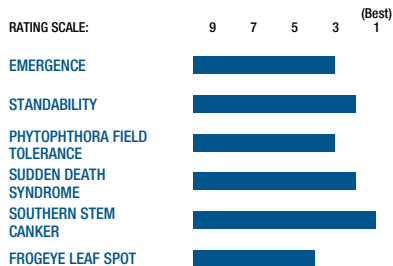


NK42-T5XF Brand

RM 4.2

Widely adapted with top-end yield potential

- Great standability with solid Sudden Death Syndrome tolerance
- Recommended for both irrigated and dryland acres
- Reliable performance across all soil types

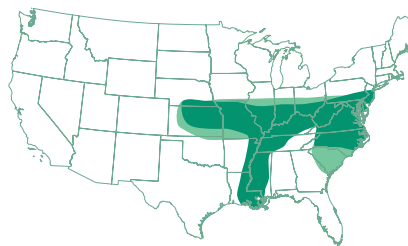
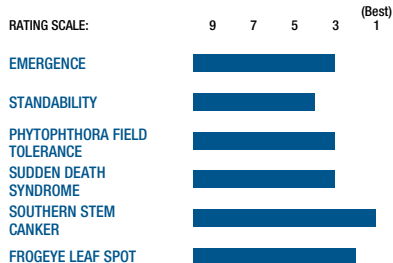


NK43-V8XF Brand

RM 4.3

Proven genetics with great defense

- Excellent tolerance to Frogeye Leaf Spot
- Equally impressive on both dryland and irrigated acres
- Broadly adapted with strong Sudden Death Syndrome tolerance



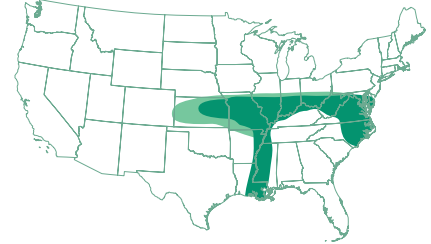
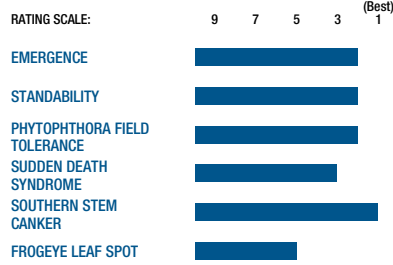
NK43-Y9XFS Brand

NEW

RM 4.3

Exciting new STS tolerant variety with tremendous yield potential

- Excellent standability for the highly productive acre
- Impressive performance on any soil type
- Broadly adapted to both dryland and irrigated acres



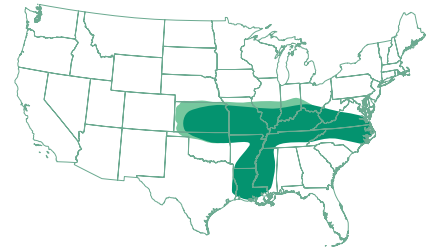
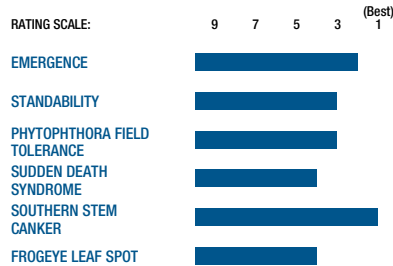
NK44-J4XFS Brand

FIELD FORGED SERIES

RM 4.4

Proven genetics that deliver top-end yield potential

- Strong standability for an easy harvest
- STS tolerance with great double-crop yields
- Broad adaptation allows for easy placement



I believe that the NK soybean varieties have been improving in yield and disease resistance. And I think that has helped us to produce better yields with less inputs and less problems in season.



Brian Huber | FARMER
JANESVILLE, IOWA

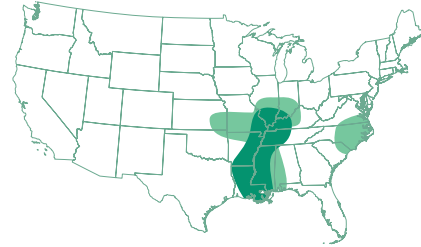
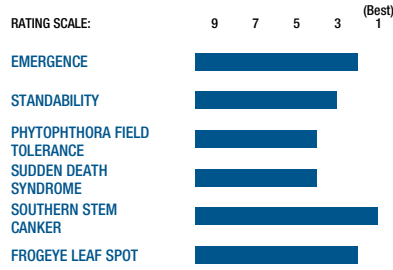


NK45-P9XF Brand

RM 4.5

Farmer favorite for performance and broad adaptability

- Great performance on medium- to fine-textured soils with the Excluder gene
- Outstanding Frogeye Leaf Spot tolerance with dependable standability
- Excellent tolerance to Southern Stem Canker



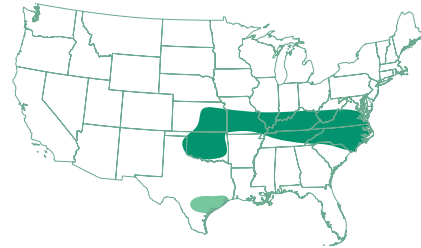
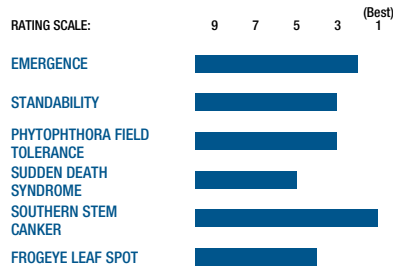
NK46-B4XFS Brand

NEW

RM 4.6

Top-end yield potential with STS tolerance

- Adapted to all soil types with impressive performance from west to east
- Great choice for highly productive environments
- Excels on dryland or double-crop acres



NK47-Z1XF Brand

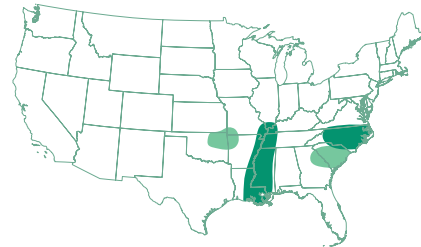
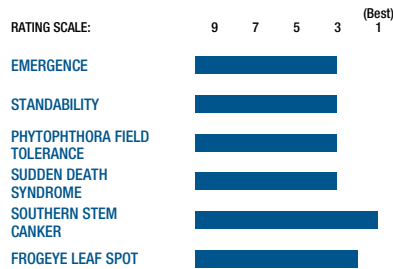
FIELD FORGED SERIES

NEW

RM 4.7

Chloride Excluder with superb agronomics

- Great performance on medium- to fine-textured soils
- Solid Phytophthora Root Rot tolerance for poorly drained soils
- Excellent Frogeye Leaf Spot and Southern Stem Canker tolerance



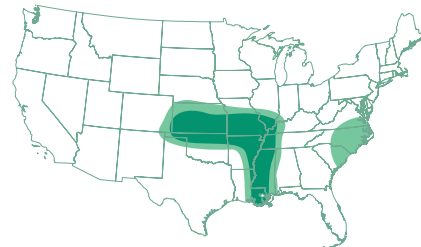
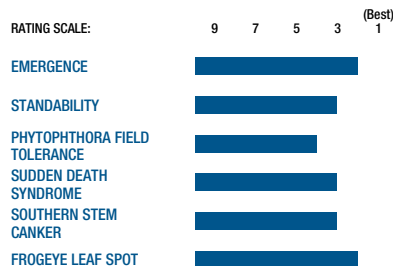
NK48-H3XFS Brand

FIELD FORGED SERIES

RM 4.8

Fantastic yield potential with STS tolerance

- Widely adapted to all soil types
- Great performance on poorly drained soils
- Excellent tolerance to Frogeye Leaf Spot



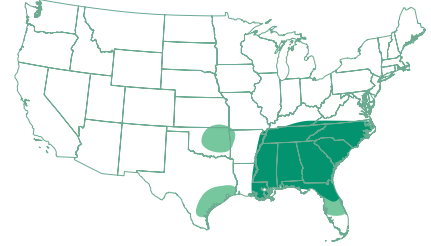
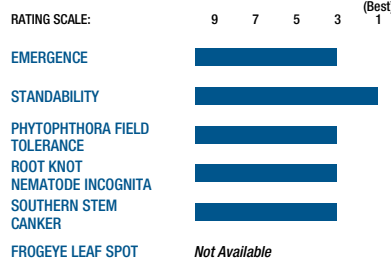
NK55-T2XF Brand

NEW

RM 5.5

Excellent yield potential with Root Knot Nematode tolerance

- Good performance across soil types while excelling in sandier soils
- Wide canopy that dries down compact for an easy harvest
- Superior standability for the highly productive acre



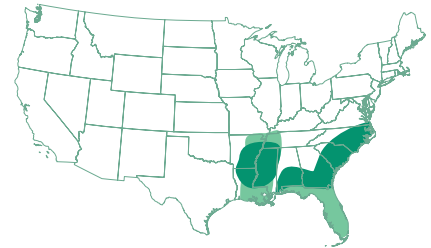
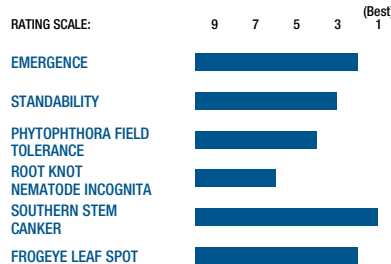
XtendFlex
soybean

NK57-A3XF Brand

RM 5.7

Top-end yield potential with broad adaptation

- Good combination of offense and defense
- Excellent tolerance to Frogeye Leaf Spot
- Great choice for 30-inch or wider row spacing



XtendFlex
soybean

▶ PROTECT AND PRESERVE

Prior to planting NK[®] soybean varieties with the Enlist E3[®] soybean, Roundup Ready 2 Xtend[®] soybean and XtendFlex[®] soybean traits, farmers are required to sign a Syngenta Stewardship Agreement. This agreement outlines the terms and conditions of growing soybean varieties with Enlist E3, Roundup Ready 2 Xtend and XtendFlex soybeans traits.

Farmers must sign and have on file the US03 version of the Syngenta Stewardship Agreement by June 30, annually.

Use only one method; originals are not required. It is important that you keep a copy of the Syngenta Stewardship Agreement for your records.

Agreements can be sent using one of four methods:

ONLINE

agcelerate.com

EMAIL

agreements@agdata.com

FAX

1-704-919-5581

MAIL

AgCelerate

ATTN: Stewardship

PO Box 221679

Charlotte, NC 28222-1678

NK64-C5XF Brand

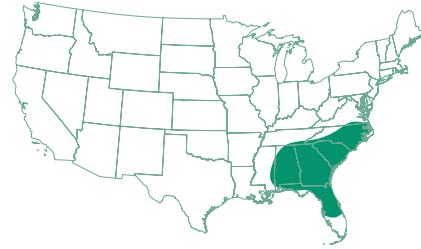
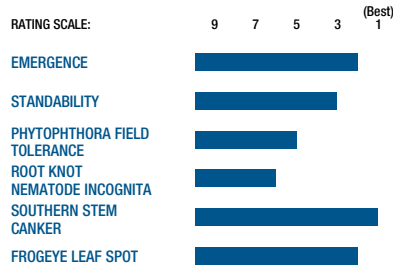
FIELD FORGED SERIES

NEW

RM 6.4

New standard for mid Group 6 yield potential

- Delivers stable performance across the East Coast growing area
- Performs equally well across soil types
- Great choice for either dryland or irrigated acres



X TENDFLEX CORP.

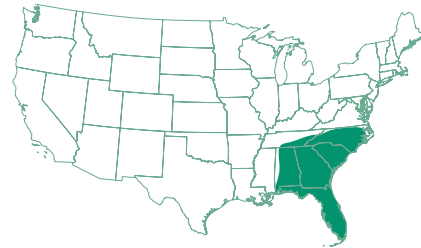
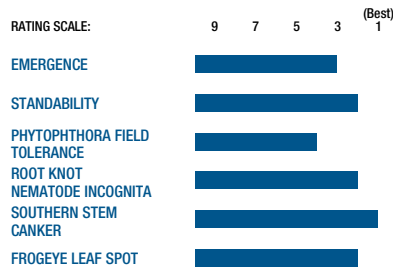
NK69-Q4XF Brand

FIELD FORGED SERIES

RM 6.9

Exciting balance between performance and defense

- Outstanding tolerance to Root Knot Nematode
- Excellent tolerance to Frogeye Leaf Spot and Southern Stem Canker
- Superb standability for an easy harvest



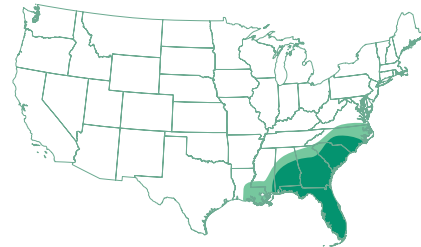
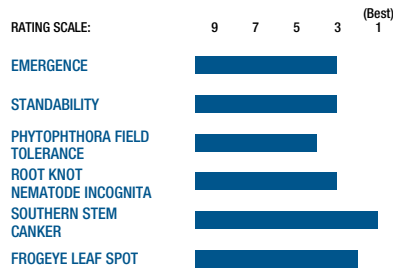
X TENDFLEX CORP.

NK72-B2XF Brand

RM 7.2

Reliable performance with great defense

- Solid agronomics for late-season storms
- Great choice for Root Knot Nematode acres
- Excellent tolerance to Southern Stem Canker



X TENDFLEX CORP.

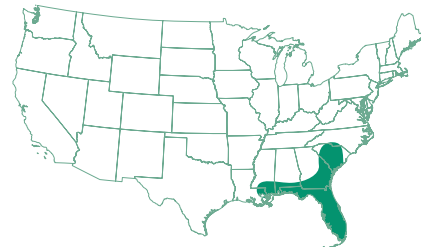
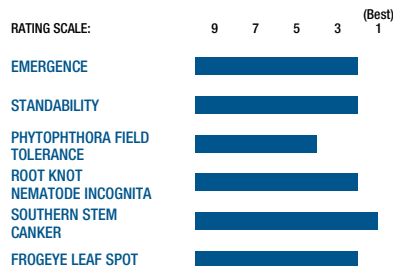
NK77-Y8XF Brand

NEW

RM 7.7

Rugged dependability with great Root Knot Nematode tolerance

- Great choice for double-crop acres
- Best performance on medium- to coarse-textured soils
- Excellent standability with excellent tolerance to Southern Stem Canker



X TENDFLEX CORP.



▶ CONTROL AND PERFORMANCE

Roundup Ready 2 Xtend® soybeans from NK Seeds offer the combination of control and performance you need to take on tough-to-control weeds for a successful harvest.

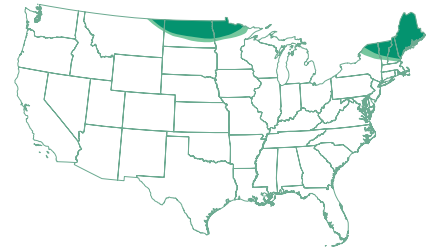
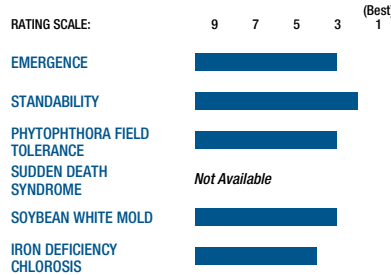
- Tolerance to dicamba and glyphosate herbicides
- Broadest portfolio of proven yield potential with defensive trait options
- Spring burndown flexibility with early-season broadleaf control
- High-yielding performance in the field

S006-R7X Brand

RM 0.06

Yield leader in mid Group 00

- Moves south of zone well
- Excellent standability
- Strong tolerance to Soybean White Mold

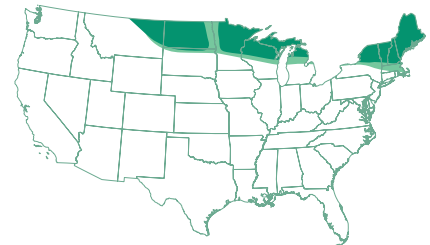
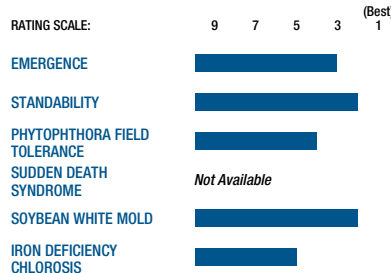


S02-F9X Brand

RM 0.2

Excellent standability with outstanding yield potential

- Very strong tolerance to Soybean White Mold
- Dependable emergence for early planting
- Stress tolerance and top-end yield potential

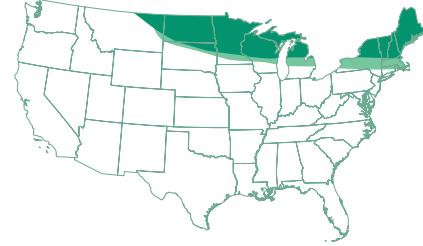
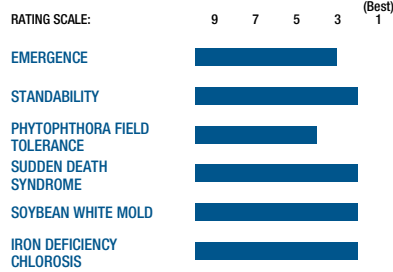


S04-Q7X Brand

RM 0.4

Soybean Cyst Nematode resistance with excellent tolerance to Iron Deficiency Chlorosis

- Great standability
- Very strong tolerance to Soybean White Mold
- Performs in all yield environments

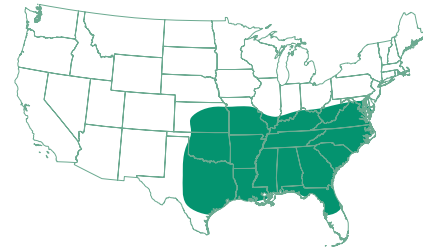
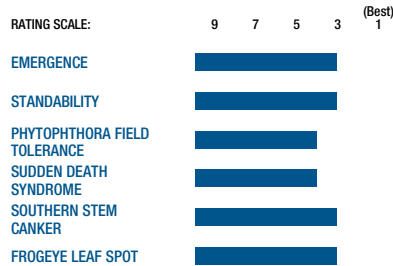


S49-F5X Brand

RM 4.9

Fantastic yields with the Excluder gene

- Broadly adapted with strong tolerance to Frogeye Leaf Spot
- Performs equally well on dryland or irrigated acres
- Rps1k gene with solid tolerance to Southern Stem Canker

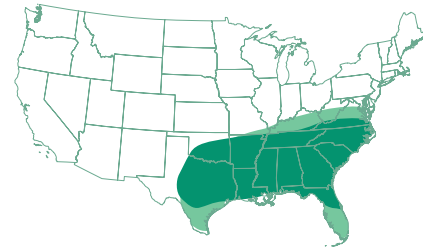
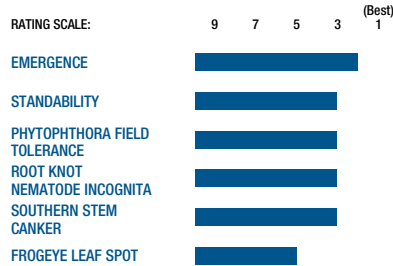


S52-Y7X Brand

RM 5.2

Reliable yields with Root Knot Nematode tolerance

- Indeterminate growth habit to maximize yield potential
- Strong performance on poorly drained soils
- Proven Southern Stem Canker and Phytophthora Root Rot field tolerance

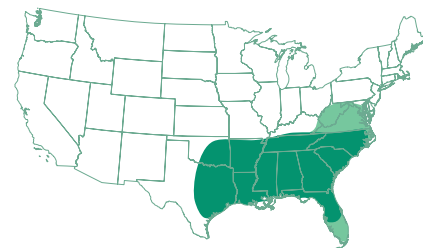
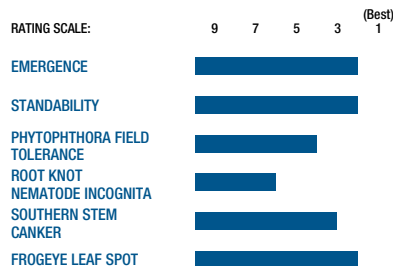


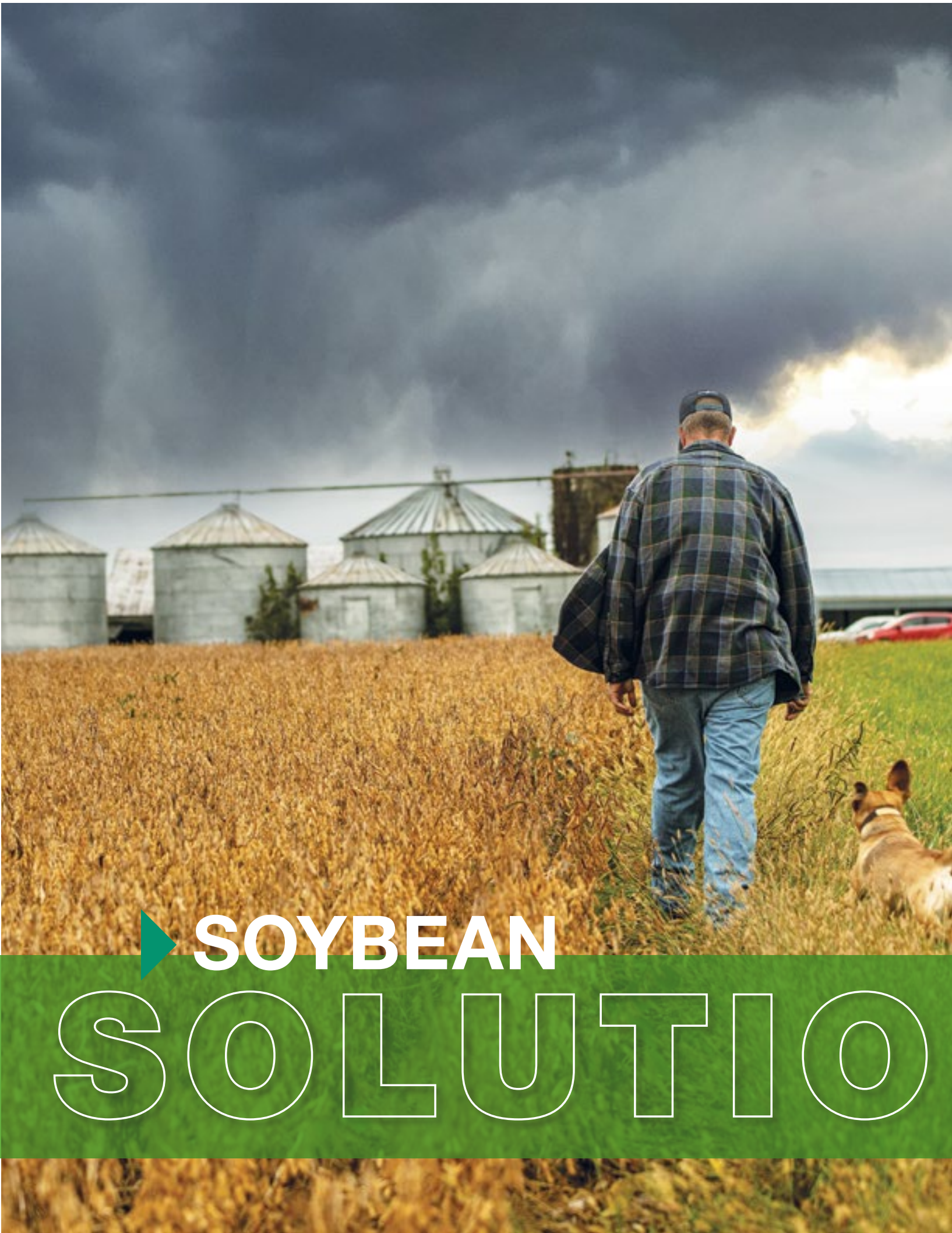
S53-F7X Brand

RM 5.3

Superb performance with great agronomics

- Great combination of Sudden Death Syndrome and Frogeye Leaf Spot tolerance
- Strong tolerance to Iron Deficiency Chlorosis
- Indeterminate growth habit to maximize yields on any acre





▶ **SOYBEAN**
SOLUTION



Enhance Every Bean's Potential

When you've got a ***strong genetic foundation*** in the ground, you do everything you can to ***maximize*** every last bit of that potential. With a portfolio of Syngenta solutions, you've got ***tools innovated with purpose*** to enhance your field's ***performance***.

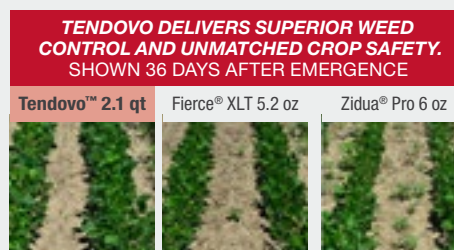
NS

Protect Your Soybean Investment with Leading Crop Protection



Unprecedented weed control without compromise.

- The first and only soybean three-way premix herbicide of its kind
- Early-season preemergence weed control against more than 70 yield-robbing weeds, without the crop injury of competitive brands
- Increased potential yield of 4 to 5 Bu/A compared with competitive herbicide brands¹



Source: Syngenta trials. Oklahoma; 2022.



Unmistakably superior disease control and plant health.

- Broader disease control that defends against the top yield-reducing foliar and soil-borne soybean diseases better than competitive brands
- Better plant health for more bushels more often, maximizing profit potential at the end of the year
- A combination of azoxystrobin, propiconazole and ADEPIDYN® technology — one of the highest-performing SDHI molecules on the market



Disease control built for the toughest conditions.

- A new standard for disease control, plant-health benefits and resistance management
- Two active ingredients and modes of action to control the toughest soybean diseases, including Frogeye Leaf Spot, Target Spot and Brown Spot
- Extended residual control and rainfastness to protect foliage throughout the canopy, resulting in optimum photosynthesis and maximum pod fill



The first dicamba premix herbicide approved for use in dicamba-tolerant soybeans.²

- Control of both preemergent and post-emergent weeds for up to three weeks longer than dicamba alone
- Contact control to manage the weeds you see and residual control to help protect against weeds you don't with a premix combination of dicamba and S-metolachlor
- A consistent yield increase of 2 Bu/A compared with dicamba alone³

¹ 2020 University trials: AR, IL, MI, MO, OH.

² Tavium Plus VaporGrip Technology is a Restricted Use Pesticide. For use by certified applicators only.

³ 2017 University trials: DE, IL, IN, IA, KA, KY, MS, MO, NE, OH, TN, WI.

Seed Treatments

to Keep Threats Down and Yields Up

To help ensure **maximum performance** and **protection** of our advanced genetics, we recommend high-performance products from the Syngenta seed treatment portfolio to **protect your investment** against early-season diseases, insects and nematodes.



SDS Protection. Upgraded.

- A +4 Bu/A yield improvement over ILeVO® seed treatment under SDS pressure⁴
- Superior protection from SDS, without signs of plant stress, including phytotoxicity, stunting, reduced plant stands, susceptibility to pests or weather and reduced plant growth above and below ground
- Robust activity against soybean cyst, root knot, reniform, lesion and lance nematodes



Supercharged protection against early-season diseases and insects from day one.

- A new mode of action for unmatched *Pythium* and *Phytophthora* protection plus other early-season insects and diseases, such as *Fusarium* and *Rhizoctonia* for the strongest start to the season
- Increased plant vigor and enhanced root health benefits, maximizing water and nutrient uptake for higher yield potential
- An average yield increase of 3 to 5 Bu/A compared with competitor seed treatments in moderate to high *Pythium* pressure situations⁵



⁴ U.S. trials with SDS pressure; 2015-2019. Trial locations = AR, IL, IA, KS, KY, MI, MN, MO, TN and WI.
⁵ 2018 Syngenta internal and external trials (TNA054A3-2018US); n = 7: IL, IA, KY, MI, MN, NE and OH.





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