



20

SOUTHERN

SEED GUIDE

27

Leading Genetics

For The Way You Farm

INNOVATION THAT MAKES A DIFFERENCE

Every acre matters. At NK Seeds, we continuously expand our portfolio and work with retail partners to deepen your seed choices, helping you face the challenges of farming head-on with a wide range of flexible, tailored solutions that work on your acres.

Backed by significant investments in our soybean technologies through Syngenta R&D, our trusted varieties deliver powerful agronomics with the innovative trait choices that matter to you — driving strong performance and improved ROI potential all season long.





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- 2** Soybean Portfolio
- 4** Soybean Varieties
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An aerial photograph of a soybean field during the golden hour of sunset. A combine harvester is visible on the right side, moving through the rows of crops. The field is divided into neat, parallel rows, and the overall scene is bathed in a warm, orange and yellow light from the low sun. The sky is a deep, clear blue.

Adaptable, Top-Performing Soybean Varieties

Developed from one of the industry's largest and most diverse germplasm pools, our soybean varieties offer versatile herbicide trait choices with the newest genetics for proven top performance potential. Built to conquer agronomic challenges and fit your management practices, our varieties combat herbicide-resistant weeds and help protect your profitability across every acre.



PRESENTING THE SOYBEAN CLASS OF 2027

Designed to push top-end yield potential, the Class of 2027 pairs versatile trait options with proven genetics for broad adaptability across a wide range of acres.

2027 Variety Highlights:

- Enhanced Sudden Death Syndrome tolerance to stand up to in-field stress
- Increased native trait frequency to protect against disease and help promote yield gain
- Greater SCN and Root Knot Nematode resistance with rugged agronomics



TRAITS THAT WORK ON YOUR ACRES

Get the latest trait packages and our newest genetics with the choice of either **Enlist E3[®] soybean** or **XtendFlex[®] soybean** trait options built on our proprietary **NK[®] soybean** genetics.

ADVANCED, ACCELERATED SEED DEVELOPMENT

Syngenta's state-of-the-art trait introgression facilities enable year-round simulated growing conditions that accelerate genetic gain, incorporating key traits into elite varieties faster than ever while maintaining the proven performance farmers rely on.

See How We've Revolutionized Soybean Development



Soybean Characteristics



BRAND	TRAITS & MATURITY		AGRONOMIC/PLANT CHARACTERISTICS																			
	Herbicide-Tolerant Trait	Relative Maturity	Emergence	Canopy/Plant Type	Plant Height	Growth Habit	Stability	Narrow Row	Wide Row	Flower Color	Pubescence Color	Pod Color	Hilum Color	Chloride Sensitivity	Green Stem	ADAPTATION TO SOIL TYPES OR YIELD ENVIRONMENTS					HERBICIDE RESPONSES	
																Drought Prone	High pH	Highly Productive	Variable	Poorly Drained	Sulfentrazone	Metribuzin
NK38-B5E3S	E3/STS	3.8	3	MB	MT	IND	3	B	B	WH	GR	BR	BF	EXC	3	B	P	B	B	B	G	B
NEW NK39-W2E3S	E3/STS	3.9	2	M	M	IND	3	B	B	PUR	GR	TN	IMB	EXC	3	G	P	B	G	B	-	R
NK40-P5E3	E3	4.0	2	MT	M	IND	2	B	B	PUR	GR	TN	BF	EXC	2	B	G	B	B	B	B	B
NK42-A6E3S	E3/STS	4.2	1	MB	MT	IND	3	G	B	WH	GR	BR	BF	EXC	2	B	F	B	B	B	B	G
NEW NK43-K9E3S	E3/STS	4.3	2	M	M	IND	3	B	G	WH	GR	TN	BF	EXC	2	G	F	B	G	F	-	R
NEW NK44-Y6E3S	E3/STS	4.4	2	MB	MS	IND	2	B	G	WH	GR	BR	BF	EXC	3	B	F	B	G	F	-	R
NK47-G5E3S	E3/STS	4.7	3	MB	T	IND	4	F	B	WH	GR	TN	BF	EXC	2	G	P	B	G	G	B	B
NEW NK49-D7E3S	E3/STS	4.9	3	MB	MT	IND	4	F	B	WH	GR	TN	BF	EXC	-	G	F	G	B	F	-	R
NK50-W4E3S	E3/STS	5.0	2	MB	MT	IND	4	B	B	PUR	GR	BR	IMB	EXC	1	B	P	G	B	G	F	B
NK52-D6E3	E3	5.2	2	MB	MT	IND	4	F	B	WH	GR	BR	BF	EXC	4	B	F	G	B	B	B	G
NEW NK32-P2XF	XF	3.2	2	MB	M	IND	3	B	B	PUR	LTW	BR	BL	INC	2	B	P	B	B	B	-	R
NEW NK37-H7XF	XF	3.7	3	M	M	IND	4	G	B	WH	LTW	BR	BL	INC	4	G	F	G	G	B	-	R
NK39-M8XF	XF	3.9	2	MB	T	IND	3	G	B	PUR	GR	BR	IMB	INC	3	B	G	B	B	B	F	G
NK39-S6XF	XF	3.9	2	M	M	IND	2	B	B	WH	LTW	BR	BL	EXC	2	G	P	G	B	G	F	B
NK42-T5XF	XF	4.2	3	M	MT	IND	2	B	B	PUR	LTW	BR	BL	INC	3	B	F	B	B	G	P	B
NEW NK42-Y2XFS	XF/STS	4.2	2	M	M	IND	2	B	B	WH	LTW	BR	BL	EXC	2	F	F	G	G	B	-	R
NK43-W1XFS	XF/STS	4.3	2	M	M	IND	3	B	B	PUR	GR	TN	IMB	EXC	1	G	F	G	B	B	F	G
NK44-J4XFS	XF/STS	4.4	2	M	MT	IND	3	B	G	WH	GR	BR	BF	INC	4	B	P	B	B	B	F	B
NK46-B4XFS	XF/STS	4.6	2	MB	MT	IND	3	G	B	WH	LTW	BR	BL	INC	3	B	F	B	B	G	G	G
NEW NK47-C6XFS	XF/STS	4.7	3	MB	MT	IND	2	B	B	WH	LTW	BR	BL	INC	-	F	G	B	G	B	-	R
NK47-U1XFS	XF/STS	4.7	2	MB	T	IND	2	B	B	PUR	LTW	TN	BL	EXC	3	B	P	B	B	B	F	B
NEW NK48-M4XFS	XF/STS	4.8	3	MB	MT	IND	2	B	B	WH	LTW	TN	BL	EXC	-	B	P	B	G	B	-	R
NK49-N7XF	XF	4.9	2	M	MT	IND	3	B	G	PUR	LTW	BR	BL	EXC	2	B	G	B	B	B	G	B
NEW NK49-Z9XFS	XF/STS	4.9	3	MB	MT	IND	2	B	B	WH	LTW	BR	BL	EXC	-	B	P	B	G	B	-	R
NK52-M2XFS	XF/STS	5.2	3	MB	MT	IND	3	B	B	WH	LTW	BR	BR	INC	3	B	F	B	B	B	F	B
NK54-J9XFS	XF/STS	5.4	3	MB	T	IND	3	G	B	WH	TW	TN	BL	INC	3	B	P	B	B	B	F	B
NK58-Y9XF	XF	5.8	2	B	MT	DET	2	B	B	WH	LTW	BR	BL	INC	2	B	F	G	B	B	B	B

HERBICIDE-TOLERANT TRAITS
 E3 = Enlist E3® Soybean
 E3/STS = Enlist E3® Soybean and STS®
 XF = XtendFlex® Soybean
 XF/STS = XtendFlex® Soybean and STS®

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

CANOPY/PLANT TYPE
 B = Bush
 MB = Medium-Bush
 M = Medium
 MT = Medium-Thin
 T = Thin

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

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
 R = Resistant (Best or Good)

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

DISEASE/PEST RESISTANCE													BRAND
PHYTOPHTHORA ROOT ROT		SOYBEAN CYST NEMATODE			Southern Stem Canker	Root Knot Nematode Incognita	Iron Deficiency Chlorosis	Brown Stem Rot	Charcoal Rot	Soybean White Mold	Sudden Death Syndrome	Frogeye Leaf Spot	NK® Soybean Brand
Gene Resistance	Field Tolerance	Gene Source	Race Resistance										
Rps1c	4	PI88788	MR3	3	-	6	-	2	5	2	2	NK38-B5E3S	
Rps1k	4	PI88788	MR3	2	-	5	-	4	6	2	R	NK39-W2E3S NEW	
Rps1c	3	PI88788	MR3, MR14	1	-	3	3	4	-	2	4	NK40-P5E3	
Rps1c	2	PI88788	MR3	1	4	4	-	3	-	2	2	NK42-A6E3S	
Rps1c	3	PI88788	MR3, MR14	4	5	4	-	3	-	4	R	NK43-K9E3S NEW	
Rps1c	3	PI88788	MR3, MR14	2	3	4	-	4	-	2	R	NK44-Y6E3S NEW	
Rps1k	3	PI88788	MR3	2	4	5	-	4	-	4	2	NK47-G5E3S	
Rps1c, Rps3a	3	PI88788	MR3, MR14	2	3	4	-	2	-	3	2	NK49-D7E3S NEW	
Rps1k, Rps3a	4	PI88788	MR3	3	3	6	-	3	-	4	R	NK50-W4E3S	
Rps1c	4	PI88788	R3	1	3	4	-	3	-	3	2	NK52-D6E3	
Rps1c	4	PI88788	MR3	R	-	6	3	3	3	2	-	NK32-P2XF	
Rps1c	3	PI88788	MR3, MR14	2	-	4	2	3	-	3	-	NK37-H7XF NEW	
Rps1c	3	PI88788	MR3, MR14	1	-	3	3	3	-	2	3	NK39-M8XF	
Rps1c	4	PI88788	MR3, MR14	2	-	7	-	3	5	3	2	NK39-S6XF	
NA	3	PI88788	MR3	1	8	4	3	4	-	2	4	NK42-T5XF	
Rps1c	2	PI88788	MR3, MR14	3	6	4	-	3	-	2	R	NK42-Y2XFS NEW	
Rps1c	2	PI88788	MR3	2	5	4	-	3	-	4	2	NK43-W1XFS	
Rps1c	3	PI88788	MR3	1	5	5	3	3	-	5	4	NK44-J4XFS	
Rps1k	3	PI88788	R3	1	5	4	3	3	-	5	4	NK46-B4XFS	
NA	3	PI88788	MR3, MR14	2	2	3	-	3	-	-	3	NK47-C6XFS NEW	
Rps1c	4	PI88788	R3, MR14	2	5	5	-	2	-	2	2	NK47-U1XFS	
Rps1c	2	PI88788	MR3, MR14	3	4	5	-	3	-	4	2	NK48-M4XFS NEW	
Rps1c	3	PI88788	MR3, MR14	2	7	3	-	3	-	5	2	NK49-N7XF	
Rps1c	3	PI88788	MR3, MR14	2	4	5	-	2	-	2	3	NK49-Z9XFS NEW	
NA	4	PI88788	MR3	3	2	4	-	3	-	5	R	NK52-M2XFS	
NA	3	PI88788	MR3, MR14	1	5	6	-	2	-	4	2	NK54-J9XFS	
Rps3a	4	PI88788	MR3	1	3	4	-	3	-	5	2	NK58-Y9XF	

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, race(s) the variety is resistant against and 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*:

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

NA = Not Applicable (no gene-specific resistance)

PHYTOPHTHORA ROOT ROT FIELD TOLERANCE

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.

SOYBEAN CYST NEMATODE

The PI88788 and Peking genes confer varying resistances to certain races of SCN. Refer to the "Race Resistance" column for phenotypic (expressed) resistance ratings. "NA" (Not Applicable) indicates no SCN gene or resistance.

SCN RACE RESISTANCE

1, 3, 5 and/or 14 = SCN race(s) for which resistance is conferred.

R = Resistant

MR = Moderately Resistant

S = Susceptible (no gene-specific resistance)

DISEASE/PEST RESISTANCE

1 = Best

9 = Worst

- = Not Available

R = Resistant (1-4)

Soybean Variety Key

Indicates new variety for 2027.

NK indicates NK® soybean.

Indicates maturity group and relative maturity within the group, on a scale of 3-5 (3 = early, 5 = late).

Uniquely identifies each variety.

Indicates herbicide technology.

Relative maturity of variety.

NEW **NK49-Z9XFS** BRAND **RM 4.9**

A Delta Darling That Is Tough Enough for the West

- Dependable performance across soils, aids in easy placement
- Drought tolerance and plant height make this a great choice for tough and double crop acres
- Irrigation and early planting allow this variety to show its best yield potential



Herbicide tolerance traits, agronomic characteristics and disease ratings.

HERBICIDE TECHNOLOGY

E3 = Enlist E3® soybeans
XF = XtendFlex® soybeans
S = Tolerant to sulfonyleurea herbicides

ENLIST E3® SOYBEANS from NK Seeds blend elite genetics with strong agronomic technology to deliver tolerance to three herbicide modes of action — offering more flexibility in how they are used.

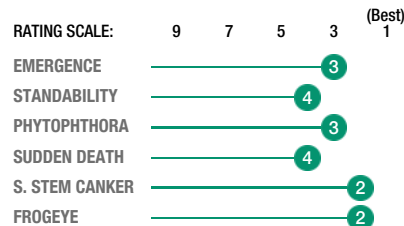
- Tolerance to **glyphosate, glufosinate** and **2,4-D choline** herbicides.



NK47-G5E3S BRAND **RM 4.7**

Exciting STS Tolerant Variety with the Excluder Gene

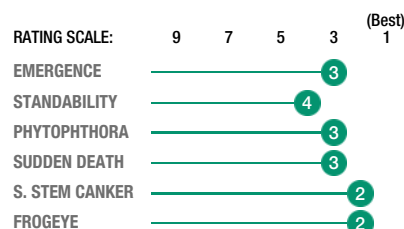
- Excels on medium to coarse textured soils
- Can be placed on dryland acres with a great response to irrigation
- Avoid placement on poorly drained soils



NEW **NK49-D7E3S** BRAND **RM 4.9**

Root Knot Nematode Resistance While Raising The Bar For Performance

- Dependable performance on coarse soils
- Great Western adaptation with medium-tall plant height, STS, and performance under drought
- Great response to irrigation, early planting, and Northern movement



XTENDFLEX® SOYBEANS from NK Seeds combine our proven, high-performing genetics with triple-stacked herbicide tolerance for greater application flexibility and strong yield potential.

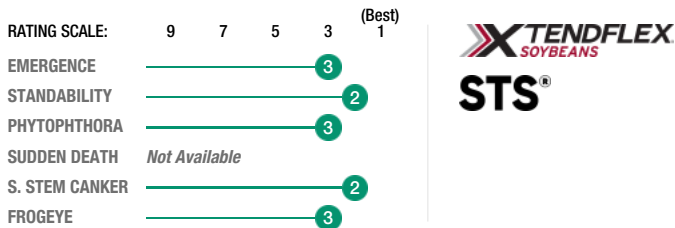
- Tolerance to **dicamba, glyphosate** and **glufosinate** herbicides.
- Greater flexibility for managing tough-to-control weeds, preemergence and post-emergence.



NK47-C6XFS BRAND RM 4.7

Portfolio-Leading Root Knot Nematode Resistance Coupled with Great Yield Potential

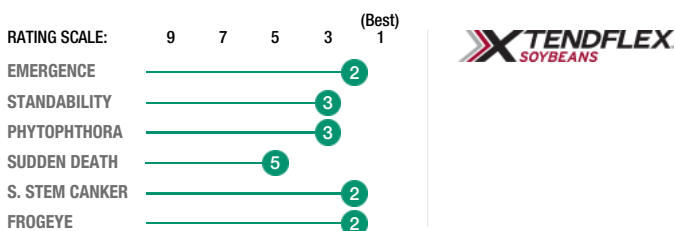
- Performance on highly productive and variable soils
- Best performance on top-end acres with adequate water availability
- Early planting and irrigation maximize performance of this variety



NK49-N7XF BRAND RM 4.9

Excluder Variety that Excels on Heavy Clay Soils

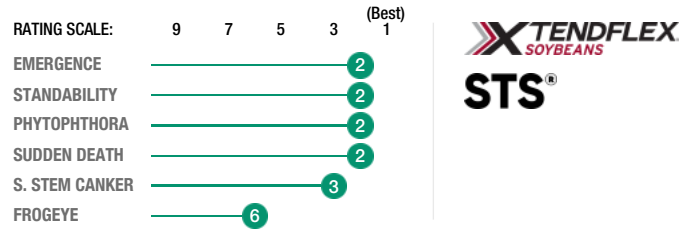
- Proven genetics that are broadly adapted across soil types
- Excellent tolerance to Frogeye Leaf Spot and Southern Stem Canker
- Rps1c gene with very good field tolerance to Phytophthora Root Rot



NK42-Y2XFS BRAND RM 4.2

Genetics Bred for the Delta with Top-End Yield Potential and Agronomics

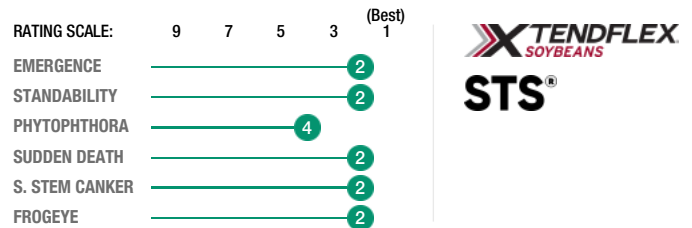
- Outstanding yield potential across all soils
- This bean excels along the Mississippi and Ohio Rivers
- Excellent performance in zone and South, with a very strong response to irrigation



NK47-U1XFS BRAND RM 4.7

Leading the Pack with Top-End Yield Potential, STS Tolerance and the Excluder Gene

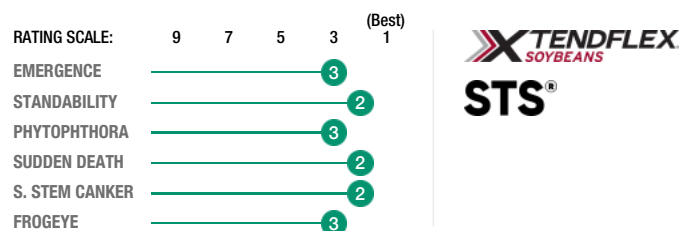
- Impressive performance on any soil type
- Broadly adapted across MG 4 acres
- Can be placed on irrigated or dryland acres in any row spacing



NK49-Z9XFS BRAND RM 4.9

A Delta Darling That Is Tough Enough for the West

- Dependable performance across soils, aids in easy placement
- Drought tolerance and plant height make this a great choice for tough and double crop acres
- Irrigation and early planting allow this variety to show its best yield potential





Optimize Your Performance From the Start

with Syngenta Soybean Seed Treatments



A new standard of protection against SCN, SDS and RCR.

- Unmatched performance and potency against nematodes and disease.
- Provides a three-pronged attack against eggs, juveniles and adults from nematode species such as Soybean Cyst (SCN), Root Knot, Reniform, Lance and Lesion.
- Early-season suppression of foliar soybean diseases.
- First federally labeled seed treatment management tool for Red Crown Rot (RCR).



Superior SDS protection without the stress.

- Yield improvement of 4.0 Bu/A over ILEVO® seed treatment under SDS pressure.¹
- Greater root protection.
- Robust activity against Soybean Cyst, Root Knot, Reniform, Lesion and Lance Nematodes.
- Superior protection from SDS, without signs of plant stress such as phytotoxicity, stunting, reduced plant stands, susceptibility to pests or weather and reduced plant growth above and below ground.



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

- Average yield improvement of 3.0 to 5.0 Bu/A compared with competitor seed treatments in instances of moderate- to high-*Pythium* pressure.²
- Features PCBX — the most powerful molecule to fight against *Pythium* and *Phytophthora*.
- Protects against *Fusarium*, *Rhizoctonia*, all major seedborne diseases and early-season insects.

¹ U.S. trials with SDS pressure; 2015-2019. Trial locations: AR, IL, IA, KS, KY, MI, MN, MO, TN, WI. Trials with significantly different disease incidence/severity rating between Check and SDS treatment.

² 2018 Syngenta internal and external trials (TNA054A3-2018US); n = 7: IL, IA, KY, MI, MN, NE and OH.



Product performance assumes disease presence.

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Some seed treatment offers are separately registered products applied to the seed as a combined slurry. **Always read individual product labels and treat instructions before combining and applying component products.**

No dicamba may be used in-crop with seed with Roundup Ready® Xtend Technology, unless and until approved or specifically permitted, and no dicamba formulations are currently registered for such use at the time this material was published. Please see <https://www.roundupreadyxtend.com/pages/xtendimax-updates.aspx> for status updates. See product labels for details and tank mix partners. NK® soybean varieties are protected under granted or pending U.S. variety patents and other intellectual property rights, regardless of the trait(s) within the seed. The Enlist E3® soybean, LibertyLink®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield® and XtendFlex® soybean traits may be protected under numerous United States patents. It is unlawful to save soybeans containing these traits for planting or transfer to others for use as a planting seed. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with products with XtendFlex® Technology. Only 2,4-D choline formulations with Colex-D® Technology are approved for use with Enlist E3® soybeans. ENLIST E3® soybean technology is jointly developed with Corteva Agriscience LLC and M.S. Technologies, L.L.C. The ENLIST trait and ENLIST Weed Control System are technologies owned and developed by Corteva Agriscience LLC. ENLIST® and ENLIST E3® are trademarks of Corteva Agriscience LLC. Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, VaporGrip® and XtendFlex® are registered trademarks used under license from the Bayer Group.

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