

Characteristics

PF	RODUCT									AGRO	NOMIC/	PLANT	CHAR	ACTERI	ISTICS					
sp	rant Trait	ity (RM)		Type							olor			tivity	Rating			tion to Soi Environn		
Soybean Brands	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 R	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained
S14-A6	GENRR2Y	1.4	1	М	MS	IND	2	1	3	PUR	LTW	TN	BL	-	1	$\overline{}$	•	*	*	*
S18-H3X NEW	RR2X	1.8	2	M	M	IND	2	1	2	PUR	LTW	BR	BL	-	3	•	_	•	•	•
S20-J5X	RR2X	2.0	3	М	M	IND	2	1	2	WH	LTW	BR	BL	-	3	$\overline{}$	•	*	•	•
S20-T6	GENRR2Y	2.0	3	М	M	IND	2	2	3	WH	LTW	BR	BL	-	3	•	•	*	•	•
S21-W8X	RR2X	2.1	3	М	MS	IND	3	1	2	WH	LTW	BR	BL	-	3	•		•	•	*
S24-A5X <i>NEW</i>	RR2X	2.4	3	MB	М	IND	2	1	2	WH	LTW	TN	BL	-	2	_	_	•	_	•
S24-K2	GENRR2Y	2.4	3	М	М	IND	3	2	3	WH	GR	BR	BF	-	3	•	*	*	•	•
S25-B6X	RR2X	2.5	3	В	MT	IND	3	2	1	WH	LTW	BR	BR	-	3	•	_	•	*	*
S27-M8X	RR2X	2.7	3	М	М	IND	2	1	1	PUR	GR	BR	IMB	-	3	*		*	*	*
S29-K3X	RR2X	2.9	2	MB	M	IND	3	1	1	PUR	LTW	BR	BL	-	3	•	*	*	•	•
S30-M9X NEW	RR2X	3.0	3	М	М	IND	2	1	1	PUR	LTW	BR	BL	INC	2	•	•	*	•	*
S31-Y2X	RR2X	3.1	3	М	М	IND	3	1	2	WH	LTW	BR	BL	INC	3	•	•	•	•	*
S34-T2X NEW	RR2X	3.4	3	MB	М	IND	2	2	1	PUR	LTW	BR	BL	INC	2	•		*	*	\star
S35-K9X	RR2X	3.5	2	М	MT	IND	3	1	1	PUR	LTW	BR	BL	INC	2	•	×	*	*	*
S37-H5X	RR2X	3.7	2	М	T	IND	3	1	1	PUR	LTW	BR	BL	INC	3			•	•	•
S39-P5X	RR2X	3.9	3	MB	Τ	IND	4	2	1	PUR	LTW	TN	BL	INC	3	•	×	•	*	•
S39-R9X	RR2X	3.9	2	MB	MT	IND	3	2	1	PUR	GR	BR	IMB	INC	3	•		•	*	*
S41-A1X	RR2X	4.1	3	MB	Τ	IND	3	1	1	PUR	LTW	BR	BL	INC	3	•	•	•	*	•
S42-B9XS NEW	RR2X/STS	4.2	2	М	MT	IND	2	1	1	WH	GR	BR	BF	INC	4	•	×	*	*	\star

KEY

Herbicide Tolerant Traits

GENRR2Y = Genuity® Roundup Ready 2 Yield® RR2X = Roundup Ready 2 Xtend® RR2X/STS = Roundup Ready 2 Xtend® and STS® STS = Sulfonylurea Tolerant Soybean

Canopy/Plant Type

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

Plant Height

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

Growth Habit

IND = Indeterminate DET = Determinate

Color Abbreviations

$$\begin{split} & \mathsf{BF} = \mathsf{Buff}, \, \mathsf{BL} = \mathsf{Black}, \, \mathsf{BR} = \mathsf{Brown}, \\ & \mathsf{GR} = \mathsf{Gray}, \, \mathsf{IMB} = \mathsf{Imperfect} \, \mathsf{Black}, \\ & \mathsf{IMY} = \mathsf{Imperfect} \, \mathsf{Yellow}, \, \mathsf{LTW} = \mathsf{Light} \, \mathsf{Tawny}, \\ & \mathsf{PUR} = \mathsf{Purple}, \, \mathsf{TN} = \mathsf{Tan}, \, \mathsf{TW} = \mathsf{Tawny}, \\ & \mathsf{WH} = \mathsf{White} \end{split}$$

Chloride Sensitivity

INC = Includer EXC = Excluder

Adaptation to Soil Types/ Yield Environments

- ★ = Best Choice
- Good Choice
- ▼ = Average to Slightly Below Average
- **≭** = Not Recommended
- = Not Available



S26-F4LBRAND



WIDELY ADAPTED HIGH-YIELDING PRODUCT

- Excels in all geographies from west to east
- Good standability provides harvesting order flexibility
- Healthy plant with good overall disease package

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora Fi	eld Tol	erance			
Shatter Toleran	ce				
Iron Deficiency	Chloros	sis			
Sudden Death S	Syndror	ne			

SCN LIBERTY

S28-C6LBRAND



STEADY AND STRONG-YIELDING FOR A WIDE GEOGRAPHY

- Works in the common soil types found in the Soybean Belt
- Very good standability provides for easy harvesting
- Rps1k gene at center of a sound disease package

Rating 9 7 5 3 1

Emergence

Standability

Phytophthora Field Tolerance

Shatter Tolerance

Iron Deficiency Chlorosis

Sudden Death Syndrome

SCN LIBERT

S31-D2LBRAND



STABILITY AND PERFORMANCE IN A NICE AGRONOMIC PACKAGE

- Reliable standability combined with a dependable defensive package
- Best performance across the central Midwest
- Good SDS tolerance

U	FAURAGE					BEST			
	Rating	9	7	5	3	1			
	Emergence								
	Standability								
	Phytophthora Field Tolerance								
	Shatter Tolerance)							
	Iron Deficiency Cl	nlorosi	S						
	Sudden Death Sy	ndrom	е						

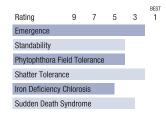
SCN LIBERTY

S35-G2LBRAND



PERFORMANCE MEETS STABILITY AND VERSATILITY

- STS herbicide tolerance expands adaptability
- Consistency growers can depend on
- Good Frogeye Leaf Spot and SDS tolerance



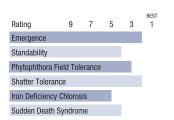


S36-J9LBRAND



CONSISTENT PERFORMANCE FROM EAST TO WEST

- Robust plant type with good defense
- Delivers stability growers can rely on
- Reliable SDS and Frogeye Leaf Spot tolerance for easy placement



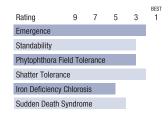
SCN LIBERTY

S38-M3LBRAND

RM: **3.8**

HIGH YIELDS AND CONSISTENT PERFORMANCE

- Excellent choice for highly productive, low-stress acres
- Good standability and SDS tolerance
- Attractive product with a top-end yield punch



SCN LIBERTY

Characteristics

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PRO	DUCT			A	GRUN	UIVIIU/I	LAN1	CHAR	AUTER	151168)" 		QUAI	LITY*	PHYTOP	HTHORA	2	<u></u>		_	(S)	
Soybean Brands	Herbicide Tolerant Trait	Relative Maturity (RM)	Emergence	Canopy/Plant Type	Plant Height	Growth Habit	Standability	Flower Color	Pubescence Color	Pod Color	Hilum Color	Chloride Sensitivity	% Protein @13% mst.	% Oil @13% mst.	Gene Resistance	Field Tolerance	Soybean Cyst Nematode (SCN)	Iron Deficiency Chlorosis (IDC)	Brown Stem Rot (BSR)	Sclerotinia White Mold (SWM)	Sudden Death Syndrome (SDS)	Frogeye Leaf Spot (FELS)
S16-F1L <i>NEW</i>	LL	1.6	2	М	М	IND	4	PUR	LTW	TN	BL	INC	39.9	21.9	-	3	R	4	4	4	4	-
S21-K3L	LL	2.1	2	M	M	IND	3	PUR	LTW	TN	BL	-	34.3	18.8	Rps1c	4	R	4	4	4	3	-
S26-F4L	LL	2.6	2	MB	MT	IND	4	PUR	LTW	TN	BL	-	34.0	19.3	Rps1c	4	R	4	4	4	4	-
S28-C6L	LL	2.8	2	M	MT	IND	3	PUR	GR	TN	IMB	-	33.6	18.5	Rps1k	4	R	4	4	4	4	-
S31-D2L	LL	3.1	2	M	M	IND	3	WH	GR	TN	BF	-	34.4	19.4	Rps1c	3	R	4	4	4	3	4
S35-G2L	LL/STS	3.5	2	MB	M	IND	4	PUR	LTW	BR	BL	-	33.6	18.9	Rps1k	4	R	5	4	4	3	4
S36-J9L	LL	3.6	2	MB	MT	IND	4	WH	LTW	TN	BL	INC	33.8	18.8	Rps1c	3	R	5	4	4	4	4
S38-M3L	LL	3.8	2	M	M	IND	3	WH	LTW	TN	BL	INC	34.6	18.5	Rps1c	3	MR	5	4	4	4	5

^{*}NOTE: Product descriptions and ratings are sourced from the variety's genetic supplier and may change as additional data are gathered.

KEY

Herbicide Tolerant Traits

LL = LibertyLink® STS = Sulfonylurea Tolerant Soybean

Canopy/Plant Type

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

Plant Height

$$\label{eq:short_matter} \begin{split} S &= Short, \, MS = Medium\text{-}Short, \, M = Medium, \\ MT &= Medium\text{-}Tall, \, T = Tall \end{split}$$

Growth Habit

IND = Indeterminate, DET = Determinate

Color Abbreviations

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

Chloride Sensitivity

INC = Includer, EXC = Excluder

Resistance Rating System

Indicates when a variety is resistant to a specific disease or pest. For Soybean Cyst Nematode (SCN) resistance, a general resistance rating is listed. For Phytophthora, the gene conveying the resistance is listed.

Phytophthora Gene Resistance

The following genes confer resistance to the listed races of Phytophthora: Rps1c = Resistant to races 1–3, 6–11, 13, 15, 17, 21, 23, 24, 26, 28–30, 32, 34, 36, 38, 44

Rps1k = Resistant to races 1–11, 13–15, 17, 18, 21–24, 26, 36–38, 44

Phytophthora 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 (SCN)

R = Resistant

 $\mathsf{MR} = \mathsf{Moderately}\ \mathsf{Resistant}$

S = Susceptible

Disease/Pest Ratings

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

S16-F1 LBRAND NEW RM: 1.6

PROVEN TOP YIELDER

- Sound tolerance to Iron Deficiency Chlorosis
- Very good field tolerance to Phytophthora Root Rot
- Outstanding emergence allows early planting

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora I	ield Tol	erance			
Shatter Tolera	nce				
Iron Deficiency	/ Chloros	sis			
Suddon Dooth	Cundror	no			

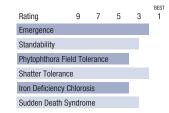
SCN LIBERTY LINK

S21-K3L_{BRAND}



BRED WITH SDS AND CONSISTENT YIELDS IN MIND

- SDS tolerance and Rps1c gene help reduce risk
- Maintains harvest standability required by growers
- Provides fast emergence and stand establishment



SCN LIBERTY LINK



S35-K9XBRAND



EXCEPTIONAL YIELD AND AGRONOMICS

- Outstanding Frogeye Leaf Spot and SDS tolerance
- Broadly adapted across soils and geographies
- Best on high-yielding dryland acres

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora F	ield Tol	erance			
Shatter Toleran	се				
Iron Deficiency	Chloros	sis			
Sudden Death S	Syndror	ne			



S37-H5XBRAND

RM: **3.7**

STABLE PERFORMANCE ACROSS MULTIPLE ENVIRONMENTS

- Handles lower CEC and organic matter levels well
- Adapted to narrow- and wide-row applications
- Best when placed in target maturity or north





S39-P5XBRAND



STABLE PERFORMANCE WITH TOP YIELDS

- Strong performance when pushed south; excellent Frogeye Leaf Spot tolerance
- Great choice for medium soils with adequate drainage
- Well suited for dryland acres, and excellent under irrigation

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora F	ield Tol	erance			
Shatter Tolera	псе				
Iron Deficiency	Chloros	sis			
Sudden Death	Syndror	ne			



S41-A1XBRAND



SOLID AGRONOMICS WITH DEPENDABLE YIELDS

- Workhorse performance with good drought tolerance
- Good performance when pushed south of zone
- Very good SDS and Frogeye Leaf Spot tolerance

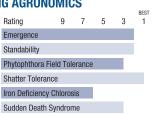
					BEST
Rating	9	7	5	3	1
Emergence					
Standability					
Phytophthora Fie	eld Tol	erance			
Shatter Tolerand	е				
Iron Deficiency (Chloros	sis			
Sudden Death S	yndror	ne			



S42-B9XS_{BRAND} NEW

HIGH-YIELDING STS PRODUCT WITH INDUSTRY-LEADING AGRONOMICS

- Excels on any acre, dryland or irrigated
- Good Phytophthora Root Rot field tolerance with the Rps1c gene
- Good SDS and Frogeye Leaf Spot tolerance









S25-B6XBRAND

RM:

EXCEPTIONAL PERFORMANCE ACROSS ENVIRONMENTS

- · Broadly adapted to many soils from poorly drained clay to well-drained silt-loams
- · Proven Sclerotinia White Mold tolerance
- · Strong performer in both dryland and irrigated acres

Rating	9	7	5	3	BEST 1
nauliy	9	′)	٥	
Emergence					
Standability					
Phytophthora F	ield Tol	erance			
Shatter Toleran	се				
Iron Deficiency	Chloros	sis			
Sudden Death S	Syndror	ne			

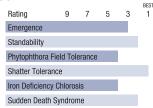


S27-M8XBRAND

RM:

FIRST CLASS PERFORMANCE IN ANY GROWING **SEASON**

- · Superb SDS tolerance and high SCN resistance work together for a healthier crop
- · Strong emergence for early planting in conventional or no-till systems
- Excellent standability for a clean-cut harvest







S29-K3XBRAND



DEPENDABLE PRODUCT WITH PERFORMANCE AND TRAITS

- · Sturdy plant is ideal for high-yield environments and all row spacings
- · Excellent emergence and proven SDS tolerance combo
- · Very strong choice for high pH fields

					BEST			
Rating	9	7	5	3	1			
Emergence								
Standability								
Phytophthora Field Tolerance								
Shatter Tolerance								
Iron Deficiency Chlorosis								
Sudden Death S	Syndror	ne						



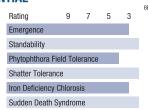
S30-M9XBRAND



RM:

STRONG PRODUCT WITH GREAT TOP-END YIELD **POTENTIAL**

- · Outstanding SDS tolerance headlines the strong agronomic package
- · Excellent standability for ease of harvest
- Rps1c gene with above average field tolerance to Phytophthora Root Rot





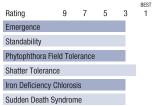


S31-Y2XBRAND



STRONG PERFORMANCE WITH THE AGRONOMICS TO **PROTECT ALL SEASON**

- · Confidence to plant across varying soil types
- Wins across a wide geography north to south
- · Versatile across dryland or irrigated acres





S34-T2XBRAND



HIGH-PERFORMING, BROADLY ADAPTED PRODUCT

- · Strong performance across varying soil types
- · Outstanding Frogeye Leaf Spot tolerance paired with proven SDS tolerance
- · Rps1c gene with above average field tolerance to Phytophthora Root Rot

Rating Emergence Standability Phytophthora Field Tolerance Shatter Tolerance Iron Deficiency Chlorosis Sudden Death Syndrome







Description key



Ratings are based on field observations collected by Syngenta from multiple locations over multiple years. They represent comparisons with company products only.



S18-H3XBRAND



OVERPOWERS DIFFICULT SOYBEAN DISEASES

- · Must-have for SDS and Sclerotinia White Mold
- Excellent agronomic choice for any row spacing
- . True 1.8 maturity

Rating	9	7	5	3	BEST 1				
Emergence									
Standability									
Phytophthora Field Tolerance									
Shatter Tolera	ance								
Iron Deficiend	y Chloros	sis							
Sudden Deatl	n Syndror	ne							



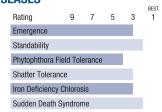


S20-J5XBRAND



HIGH-YIELDING GENETICS PLUS RESILIENCE AGAINST **KEY DISEASES**

- · Excellent SDS tolerance safeguards your crop
- Strong Sclerotinia White Mold tolerance
- · Suited to any row spacing or population



Herbicide tolerance and other traits





S21-W8XBRAND



DESIGNED TO IMPROVE RETURN ON INVESTMENT IN HEAVY SOILS

- . Bred to unite outstanding SDS and superb Sclerotinia White Mold tolerance
- Above average Iron Deficiency Chlorosis tolerance
- · Compact stature ideal for narrow rows yet competitive in 30" rows

COILO					BEST
Rating	9	7	5	3	1
Emergence					
Standability					
Phytophthora F					
Shatter Toleran	се				
Iron Deficiency	Chloros	sis			
Sudden Death S	Syndror	ne			



S24-A5XBRAND



FIRST CHOICE FOR HIGH-YIELD CONDITIONS AND **EASY CUTTING**

- · Superb standability ideal for irrigated or high yield management acres
- · Excellent SDS tolerance and strong emergence for early planting
- Great choice for narrow-row acres

Rating Emergence Standability Phytophthora Field Tolerance Shatter Tolerance Iron Deficiency Chlorosis Sudden Death Syndrome





GRAIN QUALITY		DISEASE/PEST								PROPUST
		PHYTOPHTHORA								PRODUCT
% Protein @13% mst.	% Oil @13% mst.	Gene Resistance	Field Tolerance	Soybean Cyst Nematode (SCN)	Iron Deficiency Chlorosis (IDC)	Brown Stem Rot (BSR)	Scierotinia White Mold (SWM)	Sudden Death Syndrome (SDS)	Frogeye Leaf Spot (FELS)	Soybean Brands
36.8	18.9	Rps1k	3	R3,MR14	3	2	4	3	-	S14-A6
34.8	19.3	S	2	R3,MR14	4	4	3	2	-	S18-H3X NEW
35.2	19.8	Rps1c	4	R3,MR14	3	5	3	2	4	S20-J5X
35.4	19.8	Rps1c	5	MR3	3	4	2	3	-	S20-T6
33.9	19.6	Rps1c	4	R3	4	5	2	2	5	S21-W8X
32.6	19.9	Rps1c	2	R3,MR14	4	4	2	2	4	S24-A5X NEW
34.8	19.6	Rps1c	3	S	3	3	4	5	-	S24-K2
33.3	19.6	Rps1c	4	R3,MR14	4	4	3	4	5	S25-B6X
34.1	19.4	Rps1c	4	R3,MR14	4	3	4	2	5	S27-M8X
35.4	19.3	S	4	R3,MR14	2	2	5	3	6	S29-K3X
33.7	20.3	Rps1c	4	MR3	3	3	4	2	3	S30-M9X NEW
34.9	19.3	Rps1c	3	R3,MR14	3	5	3	3	4	S31-Y2X
34.7	19.1	Rps1c	4	R3	4	3	-	3	2	S34-T2X NEW
33.4	19.0	S	3	R3	5	4	4	2	2	S35-K9X
34.8	20.1	S	3	R3,MR14	4	4	-	4	4	S37-H5X
33.8	20.2	S	4	R3,R14	5	4	-	3	2	S39-P5X
36.2	18.6	Rps1c	4	R3,MR14	4	3	-	4	4	S39-R9X
37.6	19.5	Rps1c	4	R3,MR14	3	2	-	3	3	S41-A1X
34.0	19.2	Rps1c	3	R3	6	2	-	3	5	S42-B9XS NEW

Resistance Rating System

Indicates when a variety is resistant to a specific disease or pest. For Soybean Cyst Nematode (SCN) resistance, the specific nematode races the variety is resistant against are specified. For Phytophthora, the gene conveying the resistance is listed.

Phytophthora Gene Resistance

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

Rps1a = Resistant to races 1, 2, 10, 11, 13–18, 24, 26, 27, 31, 32, 36, 38 Rps1c = Resistant to races 1–3, 6–11, 13, 15, 17, 21, 23, 24, 26, 28–30, 32, 34, 36, 38, 44 Rps1k = Resistant to races 1–11, 13–15, 17, 18, 21–24, 26, 36–38, 44

Rps3a = Resistant to races 1–5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29, 31–35, 39, 44, 45

S = Susceptible (no gene-specific tolerance)

Phytophthora 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 (SCN)

3 and/or 14 = Specific race of soybean cyst nematode,

R = Resistant, MR = Moderately Resistant,

S = Susceptible

Disease/Pest Ratings

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