2023 SEED GUIDE

Golden Harvest®

READY WHEN YOU ARE

Golden Harvest has roots predating the introduction of hybrid corn, so we know how to evolve alongside generations of farmers. But some principles shouldn't change, like knowing when to talk and when to listen. Today, every Golden Harvest® corn hybrid and soybean variety is still bred with the individual needs of hardworking farmers in mind. And it all starts with listening.

How We Operate

Our People combine their specialized knowledge with data-driven insights from each farm to deliver specific solutions. We're active listeners, insatiably curious to learn and do more for farmers.

Our Products feature corn and soybean options with elite genetics paired with in-demand traits. Each product is tested and selected for proven performance where farmers need it most, informed by our firsthand notes from the field.

It's as simple as that.

TABLE OF CONTENTS

OUR RESEARCH AND DEVELOPMENT COMMITMENT

A Seeds Engine Fueled by Listening.

From our expert-packed U.S. research centers to the more than $1.4 billion we invest annually in research and development—second globally in overall R&D spend—we take everything our teams hear from farmers and see in the field to develop the solutions farmers need and commercialize them as quickly as possible. Syngenta is investing $400 million in our North American Seeds business to drive the balanced synchronization of speed, precision and power.

$1.4B
Invested annually in R&D

$400M
Invested in North American Seeds business

Why All The Numbers?

Because time, money and research investments help us reach our goal of getting stronger seeds in the hands of farmers faster than ever.

Trait Introgression Acceleration

How Listening Comes to Life

> Our state-of-the-art facilities reduce cycle time to improve speed-to-market and product placement precision in our corn and soy products.

> Investments in trait introgression acceleration have enabled us to bring the best genetics and traits together faster to improve the genetic library of hybrid parents available.

> We've optimized seed testing and development to get from seed-to-seed in as little as seven weeks—a 2x reduction in the path to commercial varieties.

See How

> Our $30 million Nampa, Idaho, facility provides a reliable growing environment for marker-assisted trait introgression and accelerates access to new, high-performing hybrids.

HI-Edit Technology

The Speed of Sound Listening

> Our proprietary and patented HI-Edit™ process blends gene editing and double-haploid breeding to improve speed-to-market without sacrificing quality.

> This allows us to edit hundreds of hybrid lines to get new traits into our exclusive genetics faster.

STEPP Trials

Listening for Precision

We combine rigorous, multi-year testing with innovative technology to deliver confidence to farmers in where they place our products to maximize production in their farming operations.

STEPP Trials

> With new STEPP Trials™ (Strategic Testing for Effective Product Placement), we've strengthened our evaluation process with two years of testing prior to commercialization to ensure consistent performance and confidence.

> This revolutionary late-stage product testing and commercialization process helps us more accurately predict hybrid performance across populations and regional environments.

> By broadly testing our most elite products in the marketplace, we're able to offer farmers leading traits in proven germplasm long before they ever plant a product, and we help deliver the performance they expect in every hybrid.

The Bottom Line

STEPP Trials ensure that leading traits get into proven germplasm long before a product is planted, giving farmers confidence in our products. When we launch a proven hybrid, farmers know precisely where and how to place it to help maximize their seed investment. STEPP Trials result in more consistent, higher-performing products brought to market, helping to improve ROI across the board.

See How

Farmer Collaboration

Powered by You

> By inviting farmers to see and participate in the process at our labs, growing chambers and in-field trials, we're able to collaborate to fuel more timely and relevant innovations.

> The Syngenta Innovation Center at Research Triangle Park (RTP), North Carolina, is our largest infrastructure investment to date. We call the 50-acre greenhouse our "Acre Under Glass," which aids in the discovery and development of biotech seed technologies.

Stay Tuned

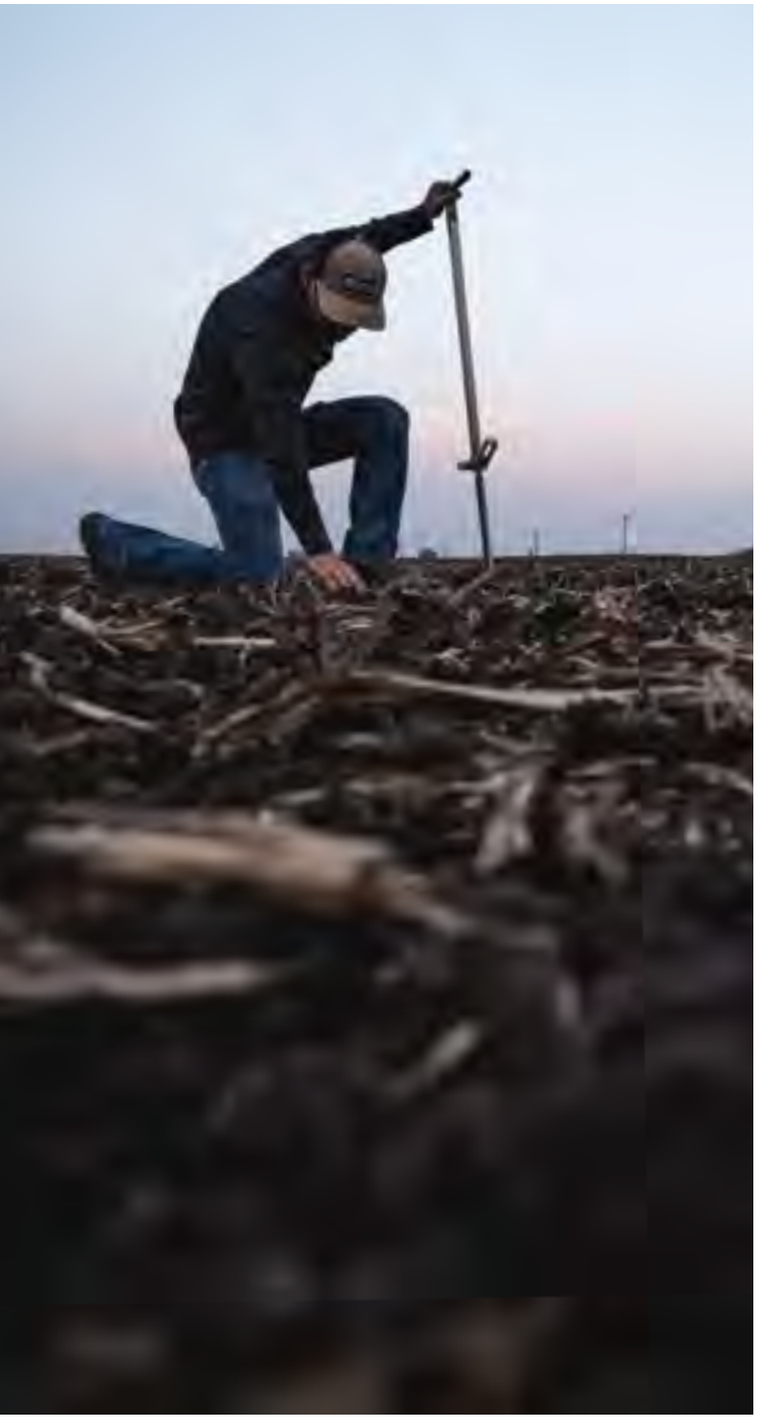
There's More to Come

> We've added more than 100 R&D sites across North America, all equipped with state-of-the-art technology. But we're not stopping there.

> In 2023, we'll open our newest R&D Innovation Center in Malta, Illinois. Here, we'll bring together the best researchers, scientists and farmers from across the country to test decision science concepts.

> We'll continue to make strategic investments in core sites within close proximity to field locations, and we'll continue to invest to deliver more speed, precision and power to drive solutions through Golden Harvest and behind everything we do. Because our entire R&D pipeline—our Seeds Engine—is fueled by farmer needs.

AGRONOMY IN ACTION



What We've Heard From You.

Our annual Agronomy in Action Research Review is a comprehensive summary of applied and practical agronomic studies conducted during each growing season at Golden Harvest® Agronomy in Action research sites. The book includes trial results and learnings to help farmers mitigate risk and adjust management techniques in-season and year-round.

The 2022 edition went one step further, surveying 101 Midwestern corn and soybean farmers to learn which agronomic management practices have most impacted their operations and yield potential. Listening to their experiences helped us develop research initiatives that we explored throughout 2021, resulting in the Agronomy in Action 2022 Research Review—a book compiled to answer your questions.

Scan to access endless resources in the Agronomy in Action 2022 Research Review

Response to Seeding Rate

- Consistently responds to seeding rate increase
- Frequently responds to small seeding rate increase
- Rarely benefits from higher seeding rate

Results are based on hybrid response trials conducted over multiple locations and years.

Set Your Fields Up for Success

Optimizing Hybrid Placement

Understanding how hybrids respond to various management practices can help farmers not only select the right hybrid for their farm, but also aid in management decisions throughout the growing season. Understanding **genetic x environment x management** interactions is the key to placing a hybrid on the right acre and managing that acre to maximize the yield potential of that hybrid.

The Golden Harvest agronomy research team and local university collaboration have implemented field trials across the Midwest to evaluate the response of Golden Harvest® hybrids to seeding rate, precision fertilizer placement and foliar-applied fungicide. Golden Harvest is committed to providing information on how hybrids respond to different management systems and informing growers which hybrids are best for their environment.

Learn more about maximizing your yield potential

Identifying and Beating Tar Spot

We've heard the need to defend fields against Tar Spot, and Golden Harvest® corn hybrids have been proven to help prevent yield loss from the fungus. There are three keys to effective Tar Spot management:

Hybrid Selection: Hybrids differ in susceptibility to Tar Spot infection, making hybrid selection one of the first tools for managing Tar Spot.

Crop Rotation: Rotating to crops other than corn and utilizing tillage to bury residue could help reduce fungus inoculum levels in fields.

Fungicide Application: Early fungicide applications at or before first signs of development have been effective at reducing Tar Spot in previous trials.

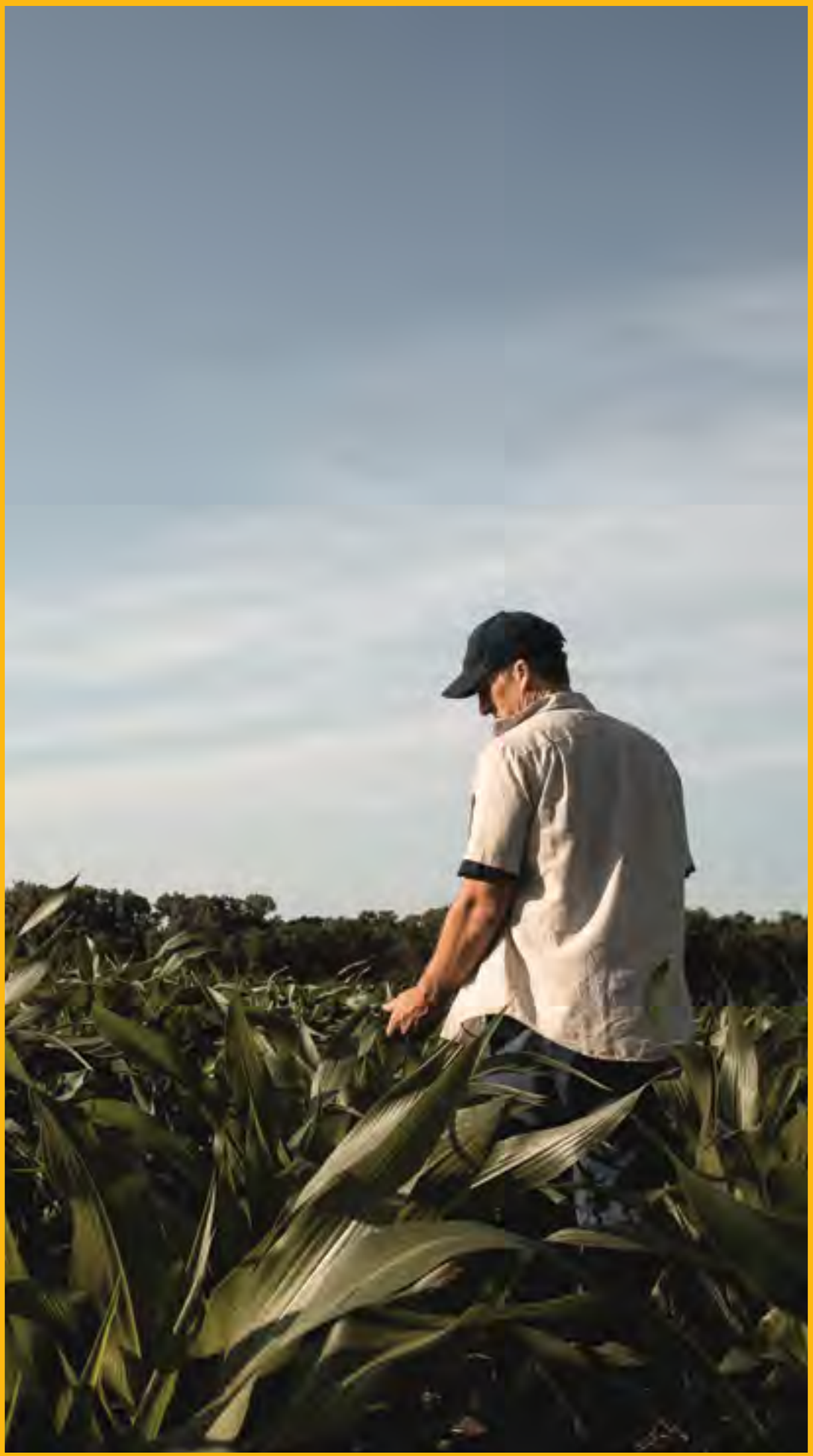
Learn more from our Tar Spot experts

Tar Spot on corn stalks

Tar Spot on corn leaves

CORN SELECTIONS

CORN



Ready to Listen with Hybrids That Respond.

Golden Harvest carries a broad portfolio of corn products to suit farmers' operations, bred and tested for your conditions and agronomic needs.

Game-Changing Hybrids

A game-changing season starts with whole farm corn solutions, and our lineup is backed by powerful research and development from genetic discovery to product placement. Our hybrids put agronomics first, focusing on placing the right management structure on the right acre.

Our game-changing corn products are built to perform all season, with broad adaptability, high yield potential, solid agronomics and great late-season health. Our hybrids are also available with the DuracadeViptera™ trait stack for the most comprehensive above- and below-ground corn pest control available today.

G91V51-DV,3310A	**RM:91**	**G02K39-D,AA**	**RM:102**
G10D21-DVZ,VZ	**RM:110**	**G10L16-DV,V**	**RM:110**
G11V76-D,AA	**RM:111**	**G15J91-V**	**RM:115**

DELIVERING BROAD ADAPTABILITY, HIGH YIELD POTENTIAL, SOLID AGRONOMICS AND GREAT LATE-SEASON HEALTH.

Seed Treatments Defend Your Corn

Vayantis®

A New, Novel Mode of *Pythium* Protection

- Most robust *Pythium* activity ever offered; higher intrinsic *Pythium* activity than any available seed treatment, including ethaboxam or metalaxyl.
- New mode of action; no cross-resistance with existing oomycete chemistries.
- Effective against all *Pythium* species (over 35 species and 420+ isolates tested).*
- Excellent seed safety and compatibility with all other seed treatment products.
- 100% of the Golden Harvest hybrid portfolio (except carryover) will be seamlessly treated with Vayantis® in the 2023 season.

*Field performance (2015–2020; 25 locations) improvement by adding Vayantis® seed treatment.

Corn – Heavy *Pythium* (significant treatment effect locations)

- +6.0 Bu/Ac over Base
- +3.9 Bu/Ac over Acceleron® Standard
- +4.5 Bu/Ac over INTEGO® Solo (ethaboxam) + Base

Corn – Broad Acre

- +3.3 Bu/Ac over Base*

*2021 Broad Acre FET Trials, 104 Locations

Syngenta trials at the The Seedcare Institute™, Minnesota, August 2020

CORN TRAITS

Above- and Below-Ground Pest Control.

Syngenta Corn Traits offer the most comprehensive collection of above- and below-ground pest control in the industry. We've simplified the naming structure of our corn trait products featured on the following pages to be more straightforward, but our product benefits haven't changed.

Duracade Viptera™

Show corn rootworm something different

DuracadeViptera™ is the industry's most comprehensive solution for proactively protecting yield potential and field health against the devastating threat of corn rootworm. DuracadeViptera trait stacks combine to control 16 damaging above- and below-ground pests, more than any competitive trait stack. It's the industry's most comprehensive solution for insect control, simplicity and choice.

Viptera™

The most effective above-ground insect control in the industry

Hybrids with the Viptera™ trait control damaging stalk- and leaf-feeding corn pests to offer every seed the chance to reach its full genetic potential. It's the only trait available today that effectively controls Western Bean Cutworm and provides better, more complete control of Corn Earworm than competitors.

Above-Below Ground Trait Stacks

Simplified Trait Stack Name	New Designator	Former Trait Stack Name
DuracadeViptera™	DV	Agrisure® Duracade 5222 E-Z Refuge
DuracadeViptera™Z3	DVZ	Agrisure® Duracade 5332 E-Z Refuge
Duracade™	D	Agrisure® Duracade 5122 E-Z Refuge
Agrisure® Total	AT	Agrisure® 3122 E-Z Refuge

**All E-Z Refuge products meet the 5% refuge requirement for corn-growing regions. Be sure to check requirements for additional required refuge in cotton-growing regions.*

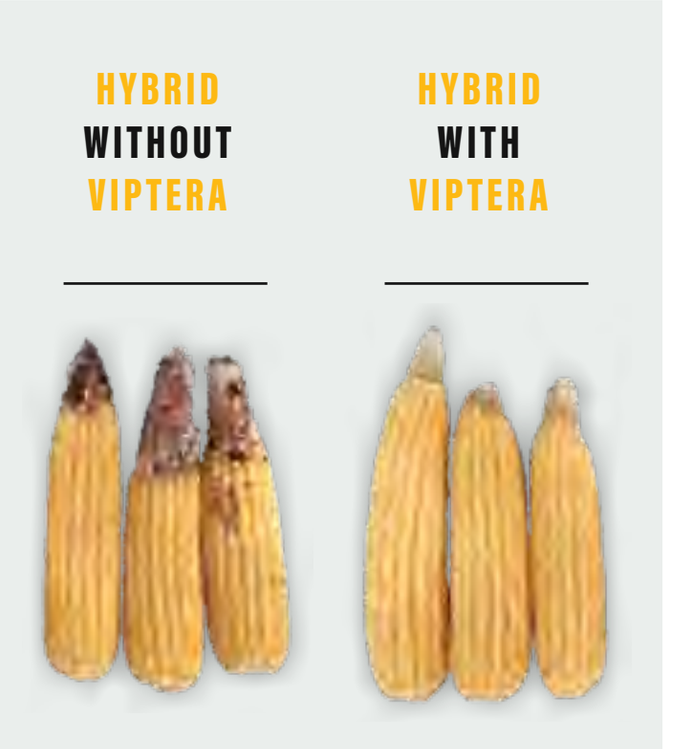
Above-Ground Trait Stacks

Simplified Trait Stack Name	New Designator	Former Trait Stack Name
Viptera™	V	Agrisure® Viptera 3220 E-Z Refuge
Viptera™Z3	VZ	Agrisure® Viptera 3330 E-Z Refuge
Agrisure® Above	AA	Agrisure® 3120 E-Z Refuge

**All E-Z Refuge products meet the 5% refuge requirement for corn-growing regions. Be sure to check requirements for additional required refuge in cotton-growing regions.*

4.1 BU/AC Advantage over products without Duracade*

HYBRID WITHOUT DURACADE | HYBRID WITH DURACADE



Columbia, Missouri, 2015

*Princeton, Illinois, 2013

Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations. Data based off 2018 Syngenta trials.

CORN CHARACTERISTICS

PRODUCT	TRAIT OFFERS					MATURITY INFORMATION		
Golden Harvest Hybrid Series	Above/Below-Ground Insect Protection E-Z Refuge Duracade Viptera / Duracade Viptera Z3 / Duracade / Agrisure Total	Above-Ground Insect Protection E-Z Refuge Viptera / Viptera Z3 / Agrisure Above	Above/Below-Ground Insect Protection Agrisure Viptera 3111	Above-Ground Insect Protection Agrisure Viptera 3110	No Insect Protection Agrisure GT/LL / Agrisure GT	Relative Maturity (RM)	GDUs to Silk	GDUs to Black Layer
G78C29		V				78	1150	1890
G80Q01		V			GTA/LL	80	1150	1810
G82M47		V				82	1210	2075
G85Z56	DV	V				85	1220	2140
G84J92		AA				86	1200	2140
G87A53 *New*		V				87	1210	2140
G88F37		AA-LL				88	1205	2280
G90S99	DV	V				90	1240	2290
G91V51	DV			3110A	Conv.-A	91	1240	2300
G90Y04		V				92	1265	2325
G92A51 *New*		AA				92	1240	2300
G93A49 *New*	D					93	1240	2325
G94P48	D-LL				Conv.-A	94	1260	2400
G95D32		V			GT/LL	95	1280	2400
G95M41	D					95	1245	2365
G96R61	DV					96	1275	2400
G97A36 *New*		V				97	1290	2425
G98M44	D					98	1310	2410
G99A37 *New*	DV					99	1300	2445
G99E68	D					99	1300	2445
G00A97 *New*		AA				100	1295	2440
G00H12	D				GT/LL	100	1315	2420
G02K39	D	AA				102	1305	2475
G03B96	D					103	1315	2475
G03R40	DV					103	1335	2445
G04G36			3111A			104	1320	2550
G04S19	AT					104	1385	2570
G05K08	D					105	1310	2555
G06A27 *New*	D					106	1360	2550
G06K93					GT/LL	106	1385	2530

Flex hybrids adjust to growing conditions by changing ear length or kernel depth. Determinate/Fixed 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.

Note: 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, in turn, predispose plants to secondary disease such as stalk and ear rot. 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.

AGRONOMIC CHARACTERISTICS										PLANT CHARACTERISTICS							DISEASE TOLERANCE										PRODUCT
Emergence	Seedling Vigor	Root Strength	Stalk Strength	Drought	Green Snap	Staygreen	Drydown	Test Weight	Blunt Ear	Plant Height	Ear Height	Root Type	Leaf Type	Ear Flex	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	Golden Harvest Hybrid Series
3	3	4	2	2	6	2	3	2	-	4	3	P	S-U	SF	L	R	-	-	4	-	-	4	-	-	2	-	-	G78C29
3	3	3	3	1	3	1	4	2	-	5	4	M	U	SF	M	R	-	4	4	-	-	3	4	2	3	-	-	G80Q01
3	2	2	4	4	3	4	2	4	-	4	4	M	P	SF	M	R	-	4	4	-	-	4	-	-	4	-	-	G82M47
3	2	4	3	2	3	3	3	3	-	3	4	P	S-U	SF	M	R	-	3	4	-	-	3	4	3	3	-	-	G85Z56
3	3	3	2	1	4	3	4	2	1	3	5	M	S-U	SF	M	R	-	3	4	-	-	3	2	4	2	-	-	G84J92
2	2	3	4	2	2	4	4	3	-	4	4	M	S-U	SF	M	R	-	3	4	2	-	-	4	2	4	-	-	G87A53 ***New***
3	3	3	4	1	4	4	2	3	3	3	5	M	U	SF	L	R	-	3	3	-	-	3	3	-	3	-	-	G88F37
3	3	4	3	3	3	3	3	3	2	2	2	M	U	SD	M	R	-	3	5	-	-	-	3	4	3	-	-	G90S99
2	2	5	4	1	3	4	3	3	6	3	4	M	U	SF	M	R	-	3	4	-	-	3	4	3	5	-	-	G91V51
2	3	4	2	1	3	3	3	2	3	2	2	F	P	SF	M	R	-	3	4	3	-	3	3	4	3	-	-	G90Y04
2	3	5	3	2	3	2	3	3	-	2	3	M	S-U	SF	M	R	3	4	6	3	-	-	4	4	5	-	-	G92A51 ***New***
3	3	3	2	3	2	4	3	5	1	4	5	M	P	SF	S	R	3	4	4	3	-	-	2	4	3	-	-	G93A49 ***New***
3	2	3	3	1	2	3	2	3	-	3	2	F	U	SF	L	R	-	3	3	4	-	3	3	7	3	-	-	G94P48
3	3	3	2	2	5	2	3	2	1	3	4	F	S-U	F	M	R	4	5	3	4	-	2	3	4	3	4	-	G95D32
3	3	2	3	3	3	3	3	3	-	3	4	M	U	SD	M	R	-	4	5	4	-	3	4	6	4	-	-	G95M41
2	2	3	2	2	2	3	3	2	-	2	2	F	U	SD	M	R	-	2	4	5	-	3	3	3	2	-	-	G96R61
3	2	3	3	2	4	3	4	3	-	5	5	M	U	SD	M	R	3	3	4	3	-	-	4	2	3	-	-	G97A36 ***New***
3	3	4	5	2	4	5	3	2	-	4	4	M	P	F	M	R	5	4	4	5	4	-	5	5	5	-	-	G98M44
3	3	4	3	3	3	4	3	3	-	3	4	M	S-U	SF	M	R	3	3	6	3	-	-	4	3	4	-	-	G99A37 ***New***
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	-	-	G99E68
2	2	2	3	1	2	2	3	3	-	5	5	M	P	SD	M	R	3	3	6	4	-	-	3	4	3	-	-	G00A97 ***New***
3	3	2	4	2	2	4	3	3	-	4	4	M	S-U	SF	M	R	3	5	5	3	-	3	-	2	4	-	-	G00H12
3	3	3	2	2	2	1	3	5	-	5	5	M	U	F	M	R	3	4	3	5	-	3	-	4	2	-	-	G02K39
3	3	3	4	4	2	3	4	2	-	4	3	M	S-U	SF	M	R	5	3	4	4	4	-	5	4	3	-	-	G03B96
2	3	2	2	3	2	3	4	2	-	3	3	M	U	SD	M	R	4	5	3	3	5	3	-	3	2	-	3	G03R40
4	2	2	3	1	3	5	3	4	-	5	6	M	S-U	SF	L	R	3	3	3	6	3	4	5	3	5	-	5	G04G36
4	3	4	3	3	3	4	3	5	-	2	2	M	S-U	SF	M	Pi	4	4	3	4	4	2	2	4	4	-	-	G04S19
3	4	4	3	1	3	6	3	4	-	5	6	P	U	SD	M	R	4	3	4	6	4	3	4	5	5	-	5	G05K08
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	G06A27 ***New***
3	3	3	3	2	4	4	4	3	-	3	3	M	S-U	F	M	R	5	4	3	-	3	4	4	-	5	4	-	G06K93

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

Test Weight
1 = High
9 = Low

Plant Height
1 = Tall
9 = Short

Ear Height
1 = High
9 = Low

Root Type
P = Penetrating
M = Modified
F = Fibrous

Leaf Type
U = Upright
S-U = Semi-Upright
P = Pendulum

Ear Flex
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

Husk Cover
S = Short
M = Medium
L = Long

Cob Color
R = Red
DR = Dark Red
Pi = Pink
W = White

Disease Tolerance
1 = High
9 = Low
- = Not Available

Drought
Artesian™
water-optimized hybrid

CORN CHARACTERISTICS

PRODUCT	TRAIT OFFERS					MATURITY INFORMATION		
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G06Q68	DV					106	1355	2560
G07F23			3111		GT, Conv.	107	1375	2570
G07G73	D	AA				107	1370	2550
G08D29	D	AA				108	1405	2560
G08R52		V				108	1370	2580
G09T26		AA				109	1420	2620
G09Y24	DV	V				109	1420	2570
G10D21	DVZ	VZ				110	1410	2570
G10L16	DV	V			Conv.-A	110	1395	2620
G11B63					GTA/LL	111	1425	2570
G11V76	D	AA				111	1430	2600
G12A22 ***New***	DV					112	1405	2610
G12S75	D					112	1430	2630
G13D55		V				113	1420	2630
G13H15	D	AA				113	1420	2640
G13M88				3110		113	1430	2680
G13N18			3111			113	1415	2630
G13P84		AA				113	1450	2700
G13T41	D	AA				113	1435	2605
G13Z50	DV					113	1435	2650
G14N11	DV					114	1425	2660
G14R38	AT	AA			GT, Conv.	114	1435	2630
G15J91		V				115	1455	2665
G15L32	DV					115	1455	2645
G16K01			3111		GT	116	1465	2690
G16Q82	DV	AA				116	1440	2700
G17A74 ***New***	DV					117	1480	2675
G17A81 ***New***		V				117	1400	2700
G17E95				3110		117	1465	2650
G18D87			3111			118	1480	2700

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3	3	3	3	2	3	4	3	5	-	4	5	M	U	SF	M	R	5	2	4	4	3	5	-	4	4	-	4	G06Q68
3	3	3	2	2	3	4	3	4	-	5	5	M	S-U	SF	M	Pi	3	2	4	5	5	3	-	3	3	5	6	G07F23
3	3	3	3	2	4	3	4	4	-	3	4	M	S-U	SF	L	Pi	3	3	5	3	5	-	3	5	5	-	3	G07G73
2	3	3	3	1	2	5	4	4	-	4	5	M	S-U	SF	M	Pi	4	2	3	2	6	4	-	4	4	4	5	G08D29
3	3	2	2	2	4	4	4	4	-	5	5	M	U	SF	M	R	5	3	4	4	5	-	4	4	5	-	3	G08R52
2	2	2	2	3	2	5	3	5	-	6	4	P	S-U	SF	M	R	4	3	4	4	5	-	5	3	4	-	4	G09T26
3	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	G09Y24
3	2	3	3	3	5	3	4	4	-	3	2	M	S-U	SD	S	Pi	2	2	3	4	-	-	2	3	4	3	4	G10D21
2	3	4	4	1	4	5	2	4	-	5	6	M	S-U	SF	M	R	4	6	3	3	4	3	-	4	4	7	4	G10L16
4	4	3	4	1	3	2	3	3	-	3	3	F	U	F	L	Pi	4	4	3	3	5	3	-	-	6	-	5	G11B63
3	3	2	3	2	3	4	3	2	-	4	6	F	U	SF	L	Pi	4	3	6	4	6	-	3	3	3	7	4	G11V76
3	3	3	3	4	3	4	4	3	-	4	3	M	U	SD	M	R	3	3	4	3	-	-	5	4	5	-	3	G12A22 ***New***
3	2	3	2	4	5	2	4	4	-	2	4	M	U	SF	M	R	3	3	3	4	6	-	3	2	3	7	4	G12S75
4	4	3	2	3	2	2	4	2	-	3	3	M	S-U	SF	M	Pi	3	3	3	2	3	-	5	3	4	-	3	G13D55
3	4	3	2	2	3	3	3	4	-	3	3	M	U	SD	M	R	3	4	3	4	5	-	-	-	2	-	-	G13H15
3	3	2	3	4	3	3	2	4	-	5	4	M	S-U	SD	M	R	3	3	3	4	3	5	-	-	3	4	4	G13M88
3	4	5	4	3	4	5	3	6	-	4	5	F	S-U	F	M	W	6	4	4	5	2	6	4	-	4	3	6	G13N18
3	3	2	3	3	4	3	3	2	-	5	5	M	U	SD	M	R	4	2	3	3	3	-	5	3	4	-	2	G13P84
4	3	2	2	2	2	2	3	3	-	4	5	M	S-U	SF	L	R	4	2	5	3	4	2	-	-	4	2	4	G13T41
2	2	2	4	3	3	3	2	4	-	4	4	M	S-U	SD	M	R	4	3	3	3	4	4	-	-	4	7	5	G13Z50
2	2	2	4	3	2	3	3	5	-	3	2	M	U	SF	M	Pi	5	5	4	5	4	3	-	-	4	7	5	G14N11
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	4	G14R38
4	4	2	3	2	3	4	4	3	-	3	5	M	U	SF	L	W	4	2	4	3	3	-	2	2	4	7	4	G15J91
2	3	3	4	4	3	2	4	2	-	4	5	M	S-U	SF	L	R	3	4	4	3	3	3	-	-	4	7	5	G15L32
4	3	5	3	2	3	3	2	4	-	4	4	M	P	F	M	Pi	5	4	3	4	3	5	3	-	4	6	5	G16K01
3	3	2	2	1	4	3	4	3	-	3	3	M	S-U	SF	L	R	3	3	3	4	3	-	4	5	3	-	3	G16Q82
3	3	4	4	3	5	4	4	4	-	3	5	M	S-U	SF	L	Pi	3	4	3	-	2	-	-	-	5	-	4	G17A74 ***New***
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	G17A81 ***New***
3	4	3	2	5	3	3	3	2	-	2	3	F	S-U	SF	L	R	3	4	2	-	4	-	-	-	2	4	3	G17E95
4	4	4	3	3	3	2	3	2	-	2	3	M	S-U	SF	L	R	3	3	4	3	3	5	-	-	4	3	3	G18D87

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

Test Weight
1 = High
9 = Low

Plant Height
1 = Tall
9 = Short

Ear Height
1 = High
9 = Low

Root Type
P = Penetrating
M = Modified
F = Fibrous

Leaf Type
U = Upright
S-U = Semi-Upright
P = Pendulum

Ear Flex
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

Husk Cover
S = Short
M = Medium
L = Long

Cob Color
R = Red
DR = Dark Red
Pi = Pink
W = White

Disease Tolerance
1 = High
9 = Low
- = Not Available

Drought
Artesian™
water-optimized hybrid

CORN AGRONOMIC MANAGEMENT

PRODUCT		AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS													END-USE TRAITS			
		Seeding Rate (x1000k)							Adaptation to Soil Types/ Yield Environments									
Golden Harvest Hybrid Series	Relative Maturity (RM)	120 bu	160 bu	200 bu	240 bu	280 bu	Root Strength Characteristics	Stalk Strength Characteristics	Continuous Corn	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained	Starch	Protein	Oil	Beef Feed-to-Gain
G78C29	78	26.0	32.0	37.5	41.0	44.0	4	2	B	G	G	B	G	B	B	F	G	G
G80Q01	80	26.0	29.5	30.5	32.0	33.0	3	3	G	B	G	G	B	G	G	G	F	P
G82M47	82	20.5	27.5	35.0	41.0	44.0	2	4	G	F	G	B	F	G	B	P	F	G
G85Z56	85	22.0	27.0	32.0	37.0	40.0	4	3	B	B	F	B	B	B	G	G	F	B
G84J92	86	24.5	29.5	34.5	40.0	44.0	3	2	G	B	F	B	B	B	B	F	F	G
G87A53 *New*	87	20.0	25.5	29.0	31.5	34.0	3	4	-	B	G	B	B	G	G	G	G	F
G88F37	88	22.0	28.0	32.0	35.0	37.0	3	4	F	B	F	B	B	F	F	F	P	G
G90S99	90	20.5	25.5	30.0	35.0	40.0	4	3	G	G	F	B	B	G	F	B	P	B
G91V51	91	24.0	29.0	30.5	32.5	34.0	5	4	F	B	P	B	B	G	G	P	F	G
G90Y04	92	26.0	32.0	33.0	34.0	35.0	4	2	B	B	G	B	B	G	B	G	F	G
G92A51 *New*	92	19.5	25.0	28.5	31.0	33.5	5	3	-	B	G	F	B	F	G	F	F	-
G93A49 *New*	93	26.0	32.0	33.5	35.0	36.5	3	2	-	G	F	B	B	B	G	F	F	G
G94P48	94	26.0	32.5	33.5	34.5	35.0	3	3	G	B	G	G	B	B	F	B	B	G
G95D32	95	24.5	28.0	31.0	34.5	38.0	3	2	G	B	G	B	B	B	B	F	F	G
G95M41	95	26.0	29.5	33.0	36.5	40.0	2	3	F	F	G	B	G	G	B	F	F	G
G96R61	96	26.0	30.5	33.5	37.0	40.0	3	2	G	B	F	G	G	B	G	B	F	F
G97A36 *New*	97	24.0	28.5	31.5	34.0	37.0	3	3	-	B	P	B	G	G	-	-	-	-
G98M44	98	22.5	26.0	29.5	33.0	36.5	4	5	F	B	G	F	G	F	F	G	B	F
G99A37 *New*	99	24.0	26.0	28.5	30.5	32.5	4	3	-	G	P	B	G	G	G	G	F	G
G99E68	99	26.0	33.0	34.0	35.0	36.0	2	3	G	G	G	B	G	B	G	G	G	F
G00A97 *New*	100	21.0	25.0	29.5	33.5	37.5	2	3	-	G	G	B	B	B	G	F	G	F
G00H12	100	28.5	35.5	36.0	37.0	37.5	2	4	G	G	B	B	G	G	F	B	B	P
G02K39	102	28.5	32.5	35.5	38.0	41.0	3	2	B	B	F	B	B	B	G	G	B	B
G03B96	103	17.0	21.5	26.5	32.0	37.0	3	4	G	F	F	G	G	G	F	G	F	P
G03R40	103	20.5	25.5	31.0	36.0	41.0	2	2	B	G	G	B	G	B	G	G	B	F
G04G36	104	22.0	27.0	32.5	37.5	42.5	2	3	F	B	F	G	G	G	G	F	G	B
G04S19	104	26.0	28.5	30.5	32.5	34.5	4	3	G	G	P	G	B	F	B	F	F	B
G05K08	105	17.0	21.5	25.0	32.0	39.0	4	3	G	B	G	B	B	G	G	G	B	B
G06A27 *New*	106	19.0	24.0	27.0	29.5	35.0	2	3	G	F	G	G	B	B	B	P	P	F
G06K93	106	19.0	24.0	30.5	37.5	44.0	3	3	G	B	G	F	B	F	B	F	B	G

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

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

Drought
Artesian™
water-optimized hybrid

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

PRODUCT		AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS													END-USE TRAITS			
		Seeding Rate (x1000k)							Adaptation to Soil Types/ Yield Environments									
Golden Harvest Hybrid Series	Relative Maturity (RM)	120 bu	160 bu	200 bu	240 bu	280 bu	Root Strength Characteristics	Stalk Strength Characteristics	Continuous Corn	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained	Starch	Protein	Oil	Beef Feed-to-Gain
G06Q68	106	27.5	34.0	36.0	38.0	40.0	3	3	B	B	F	B	B	G	B	F	F	G
G07F23	107	20.5	25.0	29.5	34.0	38.5	3	2	G	B	P	B	B	G	G	F	B	B
G07G73	107	19.0	24.0	27.0	30.5	35.0	3	3	G	G	G	B	G	G	F	F	B	G
G08D29	108	24.0	27.0	30.0	33.0	36.0	3	3	B	B	F	B	B	G	G	F	B	G
G08R52	108	28.5	33.5	36.0	39.0	41.5	2	2	G	B	F	F	G	G	B	G	P	G
G09T26	109	26.0	33.0	34.5	36.5	38.0	2	2	G	F	F	B	G	G	G	F	B	B
G09Y24	109	23.5	26.0	28.5	31.0	34.0	4	4	F	B	P	B	B	G	G	G	B	F
G10D21	110	28.5	32.5	35.5	39.0	42.0	3	3	G	F	F	G	G	G	G	G	G	G
G10L16	110	25.5	30.5	32.0	33.0	34.5	4	4	B	B	F	B	G	G	G	F	G	G
G11B63	111	20.0	24.5	29.0	33.5	38.0	3	4	G	B	G	G	F	P	B	G	F	B
G11V76	111	26.5	29.0	31.0	33.5	35.5	2	3	G	G	G	G	B	G	G	G	F	G
G12A22 *New*	112	21.5	24.5	27.0	30.0	33.0	3	3	-	F	F	B	G	G	G	F	P	B
G12S75	112	24.0	27.0	30.0	33.0	35.5	3	2	B	F	F	B	B	B	G	G	F	G
G13D55	113	19.0	24.0	27.0	29.5	33.0	3	2	G	G	G	G	F	G	F	F	G	-
G13H15	113	26.0	29.5	32.0	34.5	36.5	3	2	G	G	F	B	B	B	G	G	B	G
G13M88	113	26.0	32.0	34.5	37.0	39.0	2	3	G	G	G	B	G	G	F	B	B	G
G13N18	113	26.0	28.5	29.5	31.0	32.0	5	4	B	G	G	B	G	F	F	G	F	B
G13P84	113	26.0	31.0	32.0	33.0	34.0	2	3	G	F	P	G	G	G	G	G	F	F
G13T41	113	26.0	30.0	34.0	38.0	41.5	2	2	B	B	P	B	B	B	G	F	B	G
G13Z50	113	27.5	31.0	33.0	35.0	37.0	2	4	G	G	G	B	B	B	B	F	P	B
G14N11	114	24.5	27.0	30.0	32.5	35.0	2	4	B	G	G	B	G	B	B	F	F	B
G14R38	114	22.0	28.0	32.0	35.0	37.0	2	3	B	G	F	B	B	B	G	F	G	B
G15J91	115	25.5	29.0	32.0	35.0	38.0	2	3	F	G	G	B	B	B	G	G	P	F
G15L32	115	26.0	30.5	31.5	32.5	34.0	3	4	G	G	B	B	G	G	B	F	G	B
G16K01	116	22.0	28.0	32.0	35.0	37.0	5	3	G	B	P	B	B	F	G	F	G	G
G16Q82	116	27.5	32.0	32.5	33.0	33.5	2	2	G	B	G	B	B	B	B	F	P	F
G17A74 *New*	117	21.0	26.5	30.5	33.0	35.5	4	4	F	F	B	B	G	F	F	G	F	G
G17A81 *New*	117	20.5	26.0	29.5	32.0	34.5	3	3	G	F	G	B	G	B	G	F	P	F
G17E95	117	26.0	29.0	30.5	32.0	33.5	3	2	G	F	F	B	G	G	F	G	B	F
G18D87	118	26.0	30.0	32.0	33.5	35.5	4	3	B	G	G	B	G	G	G	B	F	F

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

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

Drought
Artesian™
water-optimized hybrid

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

CORN HYBRIDS

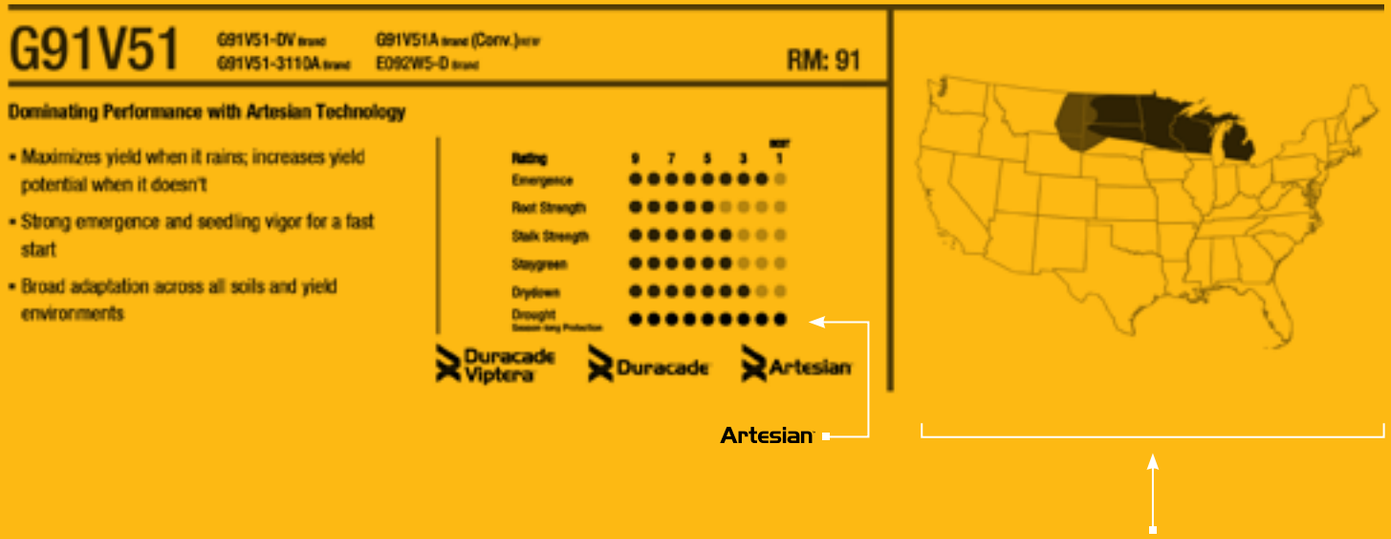
This two-digit number is the last two digits of the relative maturity.

The next letter and two-digit number uniquely identify each genetic family.

Trait versions available in this hybrid series.

- The **dash** separates the genetic and trait portions.
- The **trait** designator aligns with the corn traits nomenclature system (PG.8).
- **NEW:** Indicates hybrid series or hybrid trait versions new for 2023.

RM
Specific relative maturity for this hybrid series.



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

G80Q01

G80Q01-V Brand
G80Q01-GTA/LL Brand
E080Q1-D Brand

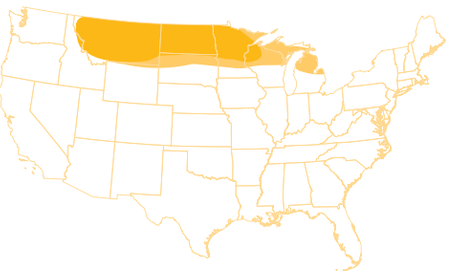
RM: 80

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought (Season-long Protection)	●	●	●	●	●

Duracade Viptera Artesian



G87A53

G87A53-V Brand *NEW*

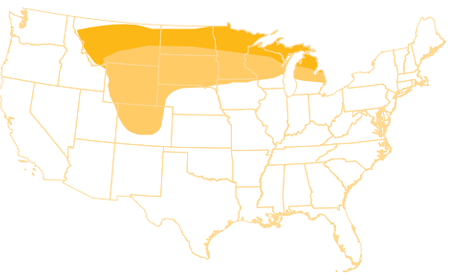
***NEW* // RM: 87**

Excellent Yield Potential with Broad Adaptability

- Excellent emergence and seedling vigor for a great early planting option
- Great drought tolerance paired with very good roots
- Moderate plant stature for improved residue management

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●

Viptera



G91V51

G91V51-DV Brand
G91V51-3110A Brand
G91V51A Brand (Conv.) *NEW*
E092W5-D Brand

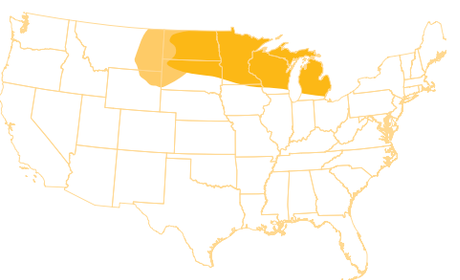
RM: 91

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought (Season-long Protection)	●	●	●	●	●

Duracade Artesian



G92A51

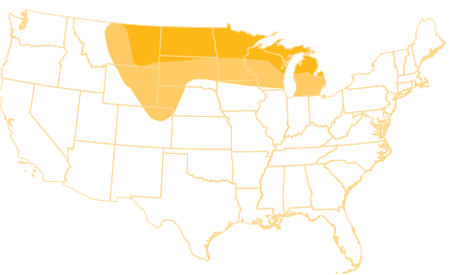
G92A51-AA Brand *NEW*

***NEW* // RM: 92**

Strong Option for the Stress- and Drought-prone Acre

- Very strong emergence aids in stand establishment
- Great choice for variable and drought-prone soils
- Outstanding staygreen with dependable stalks for late-season standability

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●



G93A49

G93A49-D Brand *NEW*

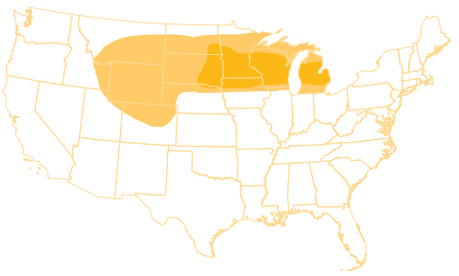
NEW // RM: 93

Top-end Yield Potential Across All Yield Environments

- Performs across all soil types and established geography
- Best-in-class stalks combined with excellent root strength for season-long peace of mind
- Best performance potential when positioned in-zone and south of zone

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	○	○
Drydown	●	●	●	●	○
Drought	●	●	●	●	○

Duracade



G95D32

G95D32-V Brand
G95D32-GT/LL Brand
E095D3-D Brand

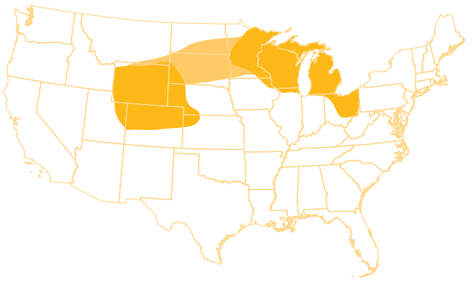
RM: 95

Diverse Genetics with Exciting Yield Potential

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	○
Drought	●	●	●	●	●

Duracade Viptera



G97A36

G97A36-V Brand *NEW*

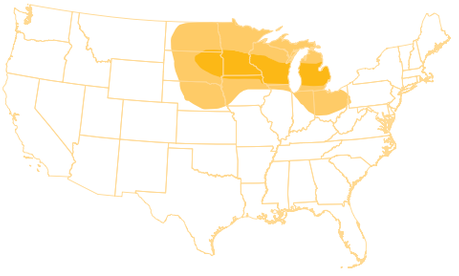
NEW // RM: 97

Very Good Performance Potential with Strong Agronomics that is Stable Across Multiple Environments

- Moderate plant stature with showy upright leaves powered by strong roots and stalk strength
- Strong disease tolerance with nice late-season appearance adapted for the Northern Corn Belt
- Consistent ear that fills to the tip, packs on the test weight and has maximum yield potential at higher populations

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○
Root Strength	●	●	●	●	○
Stalk Strength	●	●	●	●	○
Staygreen	●	●	●	●	○
Drydown	●	●	●	○	○
Drought	●	●	●	●	●

Viptera



G99A37

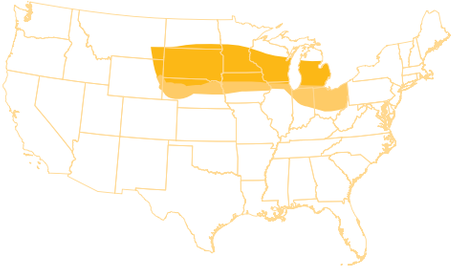
G99A37-DV Brand *NEW*

NEW // RM: 99

Widely-adapted Hybrid with Excellent Performance Potential at a Range of Planting Populations

- Solid agronomics with strong stalks and good disease tolerance
- Performs best on moderate to well-drained soils, but does work on heavy tiled soils
- Attractive plant bolstering a semi-flex ear that has shown response to higher management and irrigation

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○
Root Strength	●	●	●	○	○
Stalk Strength	●	●	●	●	○
Staygreen	●	●	●	○	○
Drydown	●	●	●	●	○
Drought	●	●	●	●	○



G00A97

G00A97-AA Brand *NEW*

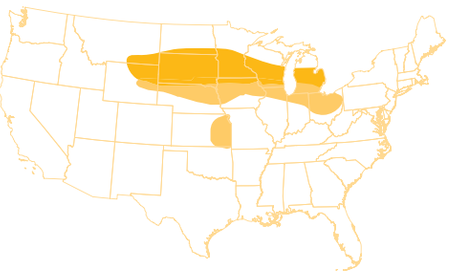
***NEW* // RM: 100**

New Standard in Yield Potential Across All Soil Types and Environments

- Outstanding emergence and early-season vigor combined with excellent roots and strong agronomics
- Leading drought tolerance powered by Artesian technology with excellent late-season health
- Consistent ear size and strong standability support higher populations making for a one-two yield punch

Rating	9	7	5	3	BEST 1
Emergence					
Root Strength					
Stalk Strength					
Staygreen					
Drydown					
Drought Season-long Protection					

Artesian



G02K39

G02K39-D Brand
G02K39-AA Brand

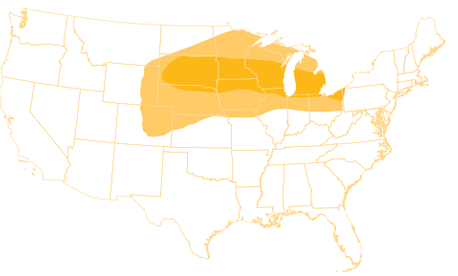
RM: 102

Yield Stability and Plant Health for Consistent Performance

- Broadly adapted across soil types and management objectives
- Excellent plant health and disease package
- Good ear flex provides population flexibility

Rating	9	7	5	3	BEST 1
Emergence					
Root Strength					
Stalk Strength					
Staygreen					
Drydown					
Drought					

Duracade



G03R40

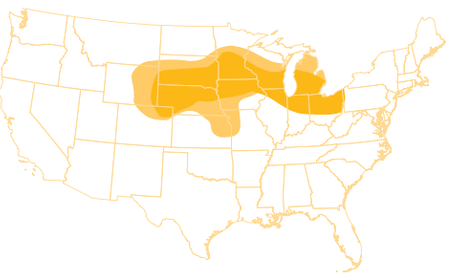
G03R40-DV Brand

RM: 103

Yield Potential with Broad Adaptation and Yield Stability

- Broadly adapted across soil types and management levels
- Excellent stalks and roots for late-season standability
- Strong emergence for early planting confidence

Rating	9	7	5	3	BEST 1
Emergence					
Root Strength					
Stalk Strength					
Staygreen					
Drydown					
Drought					



G06A27

G06A27-D Brand *NEW*

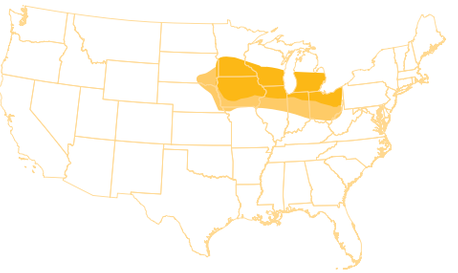
***NEW* // RM: 106**

Consistent Yield Potential with Broad Adaptation for the Central and Eastern Corn Belt

- Great emergence out of the gate with excellent vigor to keep it going strong
- Strong agronomics with season-long standability for greater peace of mind
- Medium plant stature for improved residue management

Rating	9	7	5	3	BEST 1
Emergence					
Root Strength					
Stalk Strength					
Staygreen					
Drydown					
Drought					

Duracade



G07G73

G07G73-D Brand
G07G73-AA Brand

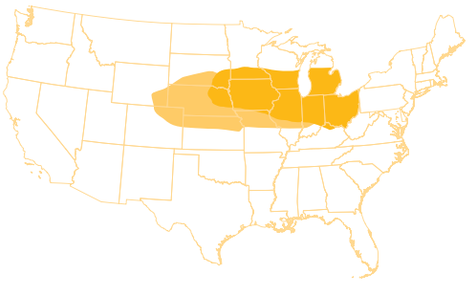
RM: 107

Excellent Top-end Yield Potential with Broad Adaptation

- Outstanding heat and moisture stress tolerance for improved stability
- Robust plant stature with solid roots and stalks
- Semi-flex ear for variable planting populations

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●

Duracade



G08D29

G08D29-D Brand
G08D29-AA Brand

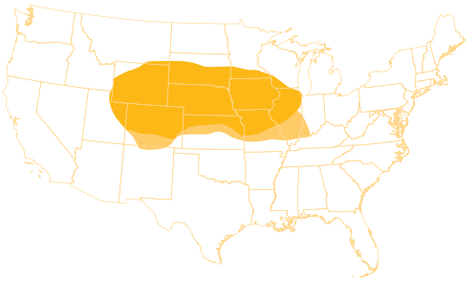
RM: 108

Excellent Stalks and Roots for Season-long Standability

- Maximizes yield when it rains, increases yield potential when it doesn't
- Excellent emergence
- Performs well under a wide range of populations

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought Season-long Protection	●	●	●	●	●

Duracade Artesian



G08R52

G08R52-V Brand

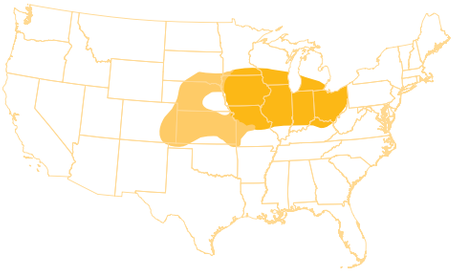
RM: 108

Excellent Tolerance to Heat and Moisture Stress with Broad Adaptation

- Ear flex allows for population flexibility
- Outstanding roots and stalks for season-long standability
- High-performing hybrid with very strong yield potential across multiple environments

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●

Viptera



G09T26

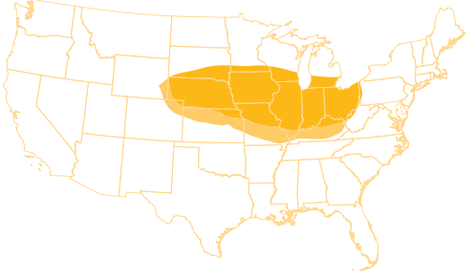
G09T26-AA Brand

RM: 109

Outstanding Agronomics with Broad Adaptability

- Strongest performance in medium- to high-yield environments
- Brings a new level of root and stalk strength
- Very strong emergence for early planting

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●



G10D21

G10D21-DVZ Brand
G10D21-VZ Brand

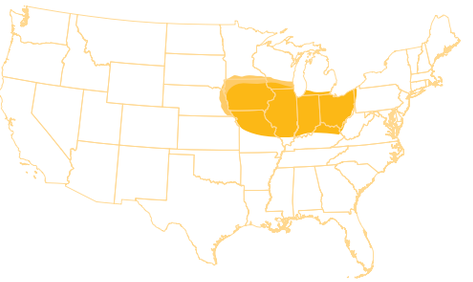
RM: 110

Top-end Yield Potential with Proven Roots and Stalks for Season-long Standability

- Consistent high yield potential
- Broadly adapted with a great disease package
- Maximize yield potential and performance with higher populations

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○
Root Strength	●	●	●	●	○
Stalk Strength	●	●	●	●	○
Staygreen	●	●	●	●	○
Drydown	●	●	●	○	○
Drought	●	●	●	●	○

Viptera zs



G10L16

G10L16-DV Brand
G10L16-V Brand

G10L16A Brand (Conv.)

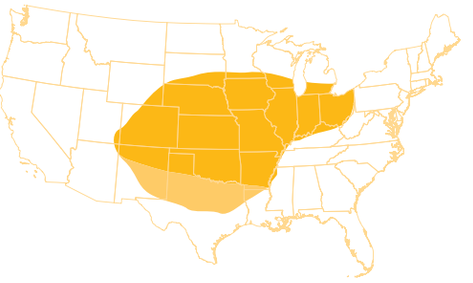
RM: 110

Industry-leading Yield Potential Across All Acres

- Leading drought tolerance powered by Artesian technology
- Moderate plant structure for residue management
- Excellent drydown for an early harvest option

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○
Root Strength	●	●	●	○	○
Stalk Strength	●	●	●	○	○
Staygreen	●	●	●	○	○
Drydown	●	●	●	●	○
Drought Season-long Protection	●	●	●	●	●

Viptera Artesian



G11V76

G11V76-D Brand
G11V76-AA Brand

E111V7-D Brand

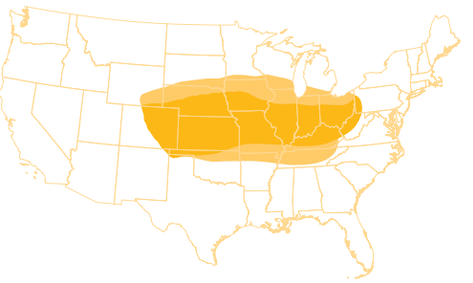
RM: 111

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	○
Staygreen	●	●	●	○	○
Drydown	●	●	●	●	○
Drought	●	●	●	●	●

Duracade



G12A22

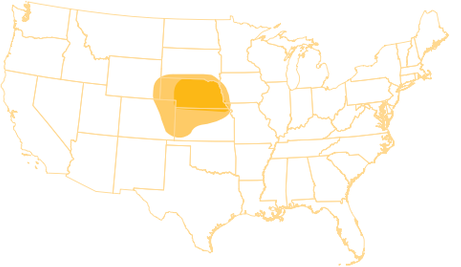
G12A22-DV Brand *NEW*

***NEW* // RM: 112**

High Performance Yield Potential Designed for the Managed Irrigated Acre

- Eye-catching plant type with an upright leaf paired with a strong agronomic package
- For maximum yield potential, position on moderate to well drained soils at moderate to high populations
- Excellent choice for high yield management in the Western Corn Belt

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○
Root Strength	●	●	●	●	○
Stalk Strength	●	●	●	●	○
Staygreen	●	●	●	○	○
Drydown	●	●	●	○	○
Drought	●	●	●	●	○



G12S75

G12S75-D Brand
E112S5-D Brand

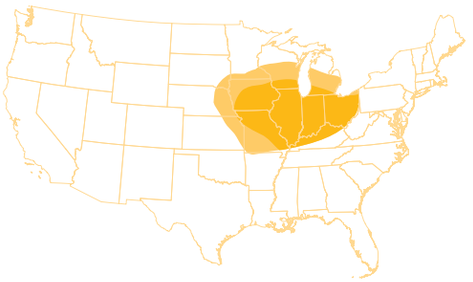
RM: 112

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	● ○ ○
Root Strength	●	●	●	●	● ○ ○
Stalk Strength	●	●	●	●	● ● ○
Staygreen	●	●	●	●	● ● ○
Drydown	●	●	●	●	○ ○ ○
Drought	●	●	●	●	○ ○ ○

Duracade



G13H15

G13H15-D Brand
G13H15-AA Brand

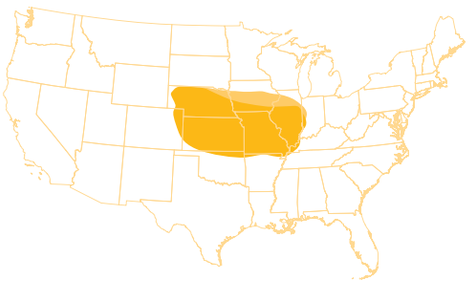
RM: 113

Broadly Adapted Hybrid for Excellent Potential Across Yield Environments

- Very strong stalks for season-long standability
- Outstanding late-season plant health and intactness
- Strong performance under drought conditions

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	● ○ ○
Root Strength	●	●	●	●	● ○ ○
Stalk Strength	●	●	●	●	● ● ○
Staygreen	●	●	●	●	● ○ ○
Drydown	●	●	●	●	● ○ ○
Drought	●	●	●	●	● ● ○

Duracade



G13P84

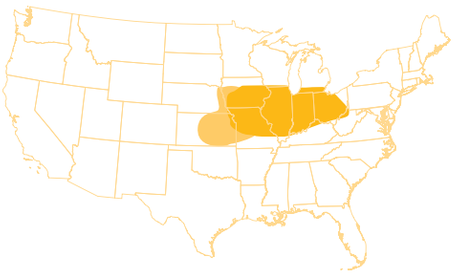
G13P84-AA Brand

RM: 113

Outstanding Root Strength with Proven Stalks for Season-long Standability

- Solid agronomics with great test weight for the Central and Eastern Corn Belt
- Excellent choice for medium and high yield environments
- Maximum yield potential achieved at higher populations

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	● ○ ○
Root Strength	●	●	●	●	● ● ○
Stalk Strength	●	●	●	●	● ○ ○
Staygreen	●	●	●	●	● ○ ○
Drydown	●	●	●	●	● ○ ○
Drought	●	●	●	●	● ○ ○



G15J91

G15J91-V Brand

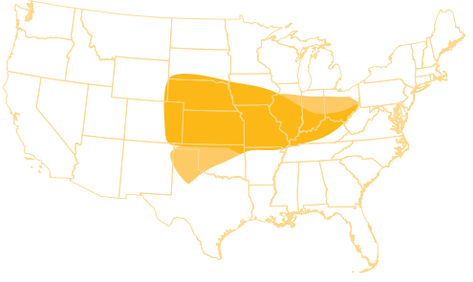
RM: 115

Outstanding Roots and Proven Stalks for Season-long Standability

- Exceptional versatility on a wide range of soil types
- Good ear flex provides population flexibility
- Strong fit for drought-prone environments

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	○ ○ ○
Root Strength	●	●	●	●	● ● ○
Stalk Strength	●	●	●	●	● ○ ○
Staygreen	●	●	●	●	○ ○ ○
Drydown	●	●	●	●	○ ○ ○
Drought	●	●	●	●	● ● ○

Viptera



G16Q82

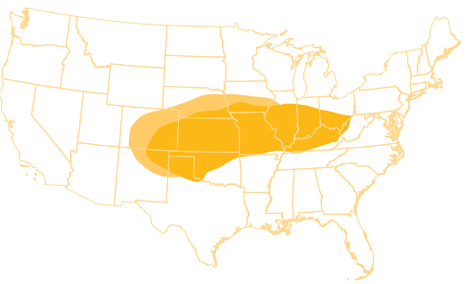
G16Q82-DV Brand
G16Q82-AA Brand

RM: 116

Outstanding Combination of Yield and Agronomics

- Artesian corn hybrid with excellent yield stability
- Dependable disease tolerance especially in poorly drained soils
- Superb root and stalk strength provides season-long peace of mind

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought Season-long Protection	●	●	●	●	●



G17A74

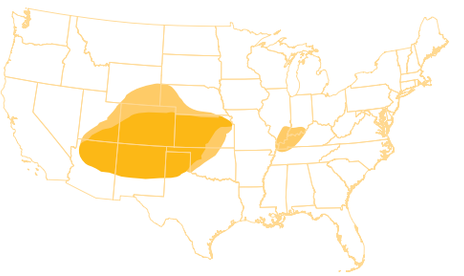
G17A74-DV Brand *NEW*

***NEW* // RM: 117**

Outstanding Dual-purpose Hybrid with Top-end Yield

- Robust plant type with a strong disease package that adds consistent kernel depth
- Excellent yield potential on the medium- and high-yield acre
- Semi-flex ear that has shown response to irrigation while allowing for population management

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●



G17A81

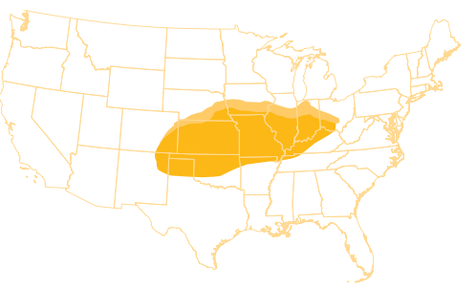
G17A81-V Brand *NEW*

***NEW* // RM: 117**

Dependable Yield Potential with Outstanding Agronomics

- Strong emerging product with excellent seedling vigor and solid disease package
- Excellent stalk and root strength for season-long peace of mind
- Great choice for medium- and high-yield environments with an ideal plant stature

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●



G17E95

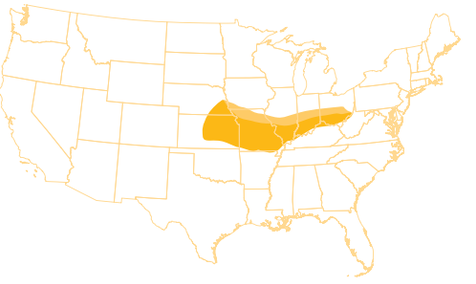
G17E95-3110 Brand

RM: 117

Strong Agronomics and Diverse Genetics that Optimize Performance

- Semi-flex ear type maximizes yield potential across populations
- Dependable root and stalk strength for season-long standability
- Positive response to increased management

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Root Strength	●	●	●	●	●
Stalk Strength	●	●	●	●	●
Staygreen	●	●	●	●	●
Drydown	●	●	●	●	●
Drought	●	●	●	●	●



Enogen®

ENOGEN

Hybrids You'll Want to Hear About.

With proven, high-yielding hybrids across a variety of soil conditions, Enogen® corn for feed may help boost the bottom line for producers of livestock (beef and dairy) or grain for ethanol.

Efficiency and Performance in Beef Operations

Enogen corn hybrids in livestock production have been shown to potentially increase feed efficiency by about 5% in stocker and finishing cattle, according to feeding trials at the University of Nebraska-Lincoln (UNL) and Kansas State University (KSU).[1] Enogen also improves starch utilization, resulting in more available energy for your herd. Enogen corn hybrids may be harvested as silage, high-moisture corn and grain, allowing for greater flexibility compared to alternative silage-specific hybrids for beef or dairy operations. Farm-proven yields are equal to or better than non-Enogen hybrids.[2,3]

Ultimate Flexibility in Dairy Operations

Enogen corn hybrids increase feed efficiency by about 5%, fed as grain or silage, according to recent feeding trials at universities.[4] These farm-proven results demonstrate excellent yield potential with elite genetics and production traits. Enogen hybrids also offer ultimate flexibility, with the option to harvest as silage, high-moisture corn and grain. Silage quality and consistency is also shown to potentially improve, making it less prone to spoilage, meaning it may last longer than other silage.

Ethanol Production

Enogen hybrids offer the first biotech corn output trait designed for ethanol production with advantages that reach far beyond the field. These hybrids feature a unique corn enzyme that is designed to increase potential throughput while reducing natural gas, water and electricity use. These highly desirable traits may command a premium for potentially increased return on investment. The market speaks, and we listen.

+5% Potential increase in feed efficiency using Enogen corn hybrids

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

[2] Syngenta production data 2012-2017.

[3] Growers must comply with specific yet simple stewardship requirements.

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

ENOGEN HYBRID CHARACTERISTICS

PRODUCT	TRAIT OFFERS*		MATURITY INFORMATION			AGRONOMIC CHARACTERISTICS										PLANT CHARACTERISTICS							DISEASE TOLERANCE										
Enogen Hybrid Series	Above/Below-Ground Insect Protection E-Z Refuge Duracade	Above/Below-Ground Insect Protection AgriSure 3000GT	Relative Maturity (RM)	GDUs to Silk	GDUs to Black Layer	Emergence	Seedling Vigor	Root Strength	Stalk Strength	Drought	Green Snap	Staygreen	Drydown	Test Weight	Blunt Ear	Plant Height	Ear Height	Root Type	Leaf Type	Ear Flex	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
E080Q1	D		80	1150	1810	3	3	3	3	1	3	1	4	2	-	5	4	M	U	SF	M	R	-	4	4	-	-	3	4	2	3	-	-
E086J9	D		86	1200	2140	3	3	3	2	1	4	3	4	2	1	3	5	M	S-U	SF	M	R	-	3	4	-	-	3	2	4	2	-	-
E092W5	D		91	1240	2300	2	2	5	4	1	3	4	3	3	6	3	4	M	U	SF	M	R	-	3	4	-	-	3	4	-	5	-	-
E095D3	D		95	1280	2400	3	3	3	2	2	5	2	3	2	1	3	4	F	S-U	F	M	R	4	5	3	4	-	2	3	4	3	4	-
E100A3 *New*	D		100	1320	2445	3	2	3	3	2	4	2	3	4	-	4	4	P	S-U	SF	M	R	3	3	4	3	-	-	3	4	4	-	-
E100H1	D		100	1315	2420	3	3	2	4	2	2	4	3	3	-	4	4	M	S-U	SF	M	R	3	5	5	3	-	3	-	2	4	-	-
E105T1		3000GT	105	1355	2550	2	2	5	2	2	4	2	3	4	2	2	3	M	U	SF	M	Pi	4	5	3	4	4	4	2	3	2	3	-
E106Q6	D		106	1355	2560	3	3	3	3	2	3	4	3	5	-	4	5	M	U	SF	M	R	5	2	4	4	3	5	-	4	4	-	4
E107C1	D		107	1400	2500	3	4	2	3	3	5	3	4	3	-	1	4	M	S-U	SF	M	Pi	3	4	5	5	3	-	5	3	4	-	4
E109R3		3000GT	109	1395	2570	3	2	5	2	2	4	2	4	2	-	2	3	M	U	SD	M	Pi	3	3	5	-	4	6	2	-	2	3	-
E109Y2	D		109	1420	2570	3	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
E110F4	D		110	1420	2620	3	3	4	4	3	2	4	2	4	-	4	3	M	S-U	F	M	R	4	3	3	2	4	-	6	2	4	-	3
E111V7	D		111	1430	2600	3	3	2	3	2	3	4	3	2	-	4	6	F	U	SF	L	Pi	4	3	6	4	6	-	3	3	3	7	4
E112S5	D		112	1430	2630	3	2	3	2	4	5	2	4	4	-	2	4	M	U	SF	M	R	3	3	3	4	6	-	3	2	3	7	4
E113N8		3000GT	113	1415	2630	3	4	5	4	3	4	5	3	6	-	4	5	F	S-U	F	M	W	6	4	4	5	2	6	4	-	4	3	6
E113Z5	D		113	1435	2650	2	2	2	4	3	3	3	2	4	-	4	4	M	S-U	SD	M	R	4	3	3	3	4	4	-	-	4	7	5
E114H6	D		114	1455	2660	4	4	4	5	1	4	3	3	3	-	3	3	M	S-U	SF	M	R	3	2	3	-	5	4	5	-	5	2	4
E116K4		3000GT	116	1465	2690	4	3	5	3	2	3	3	2	4	-	4	4	M	P	F	M	Pi	5	4	3	4	3	5	3	-	4	6	5
E118D8		3000GT	118	1480	2700	4	4	4	3	3	3	2	3	2	-	2	3	M	S-U	SF	L	R	3	3	4	3	3	5	-	-	4	3	3

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

Test Weight
1 = High
9 = Low

Plant Height
1 = Tall
9 = Short

Ear Height
1 = High
9 = Low

Root Type
P = Penetrating
M = Modified
F = Fibrous

Leaf Type
U = Upright
S-U = Semi-Upright
P = Pendulum

Ear Flex
F = Flex
SF = Semi-Flex
SD = Semi-Determinate
D = Determinate

Husk Cover
S = Short
M = Medium
L = Long

Cob Color
R = Red
DR = Dark Red
Pi = Pink
W = White

Disease Tolerance
1 = High
9 = Low
- = Not Available

Drought
Artesian™
water-optimized hybrid

Flex hybrids adjust to growing conditions by changing ear length or kernel depth. Determinate/Fixed 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.

Note: 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, in turn, predispose plants to secondary disease such as stalk and ear rot. 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.

LIBERTY LINK®

HERCULEX® I

ENOGEN HYBRID AGRONOMIC MANAGEMENT

PRODUCT		AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS														END-USE TRAITS		
		Seeding Rate (x1000k)							Adaptation to Soil Types/Yield Environments									
Enogen Hybrid Series	Relative Maturity (RM)	120 bu	160 bu	200 bu	240 bu	280 bu	Root Strength Characteristics	Stalk Strength Characteristics	Continuous Corn	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained		Starch	Protein	Oil
E080Q1	80	26.0	29.5	30.5	32.0	33.0	3	3	G	B	G	G	B	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	F	F
E092W5	91	24.0	29.0	30.5	32.5	34.0	5	4	F	B	P	B	B	G		G	P	F
E095D3	95	24.5	28.0	31.0	34.5	38.0	3	2	G	B	G	B	B	B		B	F	F
E100A3 *New*	100	24.0	28.5	31.5	34.0	37.0	3	3	-	B	G	B	B	G		B	F	P
E100H1	100	28.5	35.5	36.0	37.0	37.5	2	4	G	G	B	B	G	G		F	B	B
E105T1	105	23.0	27.0	30.0	34.0	38.5	5	2	G	B	G	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		B	F	F
E107C1	107	26.0	32.0	33.5	35.5	37.5	2	3	G	G	P	F	G	G		G	F	F
E109R3	109	19.0	24.0	31.0	41.0	44.0	5	2	G	B	F	B	B	B		B	G	F
E109Y2	109	23.5	26.0	28.5	31.0	34.0	4	4	F	B	P	B	B	G		G	G	B
E110F4	110	26.0	30.0	33.0	33.0	35.0	4	4	F	F	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	F
E112S5	112	24.0	27.0	30.0	33.0	35.5	3	2	B	F	F	B	B	B		G	G	F
E113N8	113	26.0	28.5	29.5	31.0	32.0	5	4	B	G	G	B	G	F		F	G	F
E113Z5	113	27.5	31.0	33.0	35.0	37.0	2	4	G	G	G	B	B	B		B	F	P
E114H6	114	26.0	29.0	31.0	33.5	36.0	4	5	G	B	F	B	B	F		G	F	G
E116K4	116	22.0	28.0	32.0	35.0	37.0	5	3	G	B	P	B	B	F		G	F	G
E118D8	118	26.0	30.0	32.0	33.5	35.5	4	3	B	G	G	B	G	G		G	B	F

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

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

Drought
Artesian™
water-optimized hybrid

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

SILAGE HYBRID CHARACTERISTICS

PRODUCT		AGRONOMIC CHARACTERISTICS						DISEASE TOLERANCE		AGRONOMIC RESEARCH RATINGS												
																	Feed Effect On*					
Golden Harvest Hybrid Series	Relative Maturity (RM)	Emergence	Root Strength	Drought	Staygreen	Plant Height	Ear Height	Gray Leaf Spot	Goss's Wilt	Yield (Tons/A)	CP (% of DM)	NDF 48 hr (%)	NDF Dig. 48 hr (%)	Starch (% of DM)	Fat (% of DM)	TDN (% of DM)	NEL (Mcal/lb)	Milk (lbs/Ton)*	Milk (lbs/Ac)*	Beef (lbs/Ton)*	Beef (lbs/Ac)*
G78C29	78	3	4	2	2	4	3	-	4	F	G	G	G	B	-	G	G	G	G	G	F
G80Q01	80	3	3	1	1	5	4	-	4	F	B	B	G	G	G	G	G	G	G	G	G
G82M47	82	3	2	4	4	4	4	-	4	F	F	G	G	F	F	F	F	G	F	G	F
G85Z56	85	3	4	2	3	3	4	-	4	G	B	G	G	G	G	G	G	G	B	G	B
G84J92	86	3	3	1	3	3	5	-	4	F	F	F	G	G	G	F	F	F	F	F	F
G87A53 *New*	87	2	3	2	4	4	4	-	4	P	F	G	G	G	F	G	G	G	F	G	F
G88F37	88	3	3	1	4	3	5	-	3	G	G	G	G	B	-	G	-	G	F	G	F
G90S99	90	3	4	3	3	2	2	-	5	G	B	G	F	G	G	F	F	F	G	F	G
G91V51	91	2	5	1	4	3	4	-	4	G	G	B	G	B	B	G	G	G	G	G	G
G90Y04	92	2	4	1	3	2	2	-	4	G	G	F	G	G	F	G	F	G	B	G	B
G92A51 *New*	92	2	5	2	2	2	3	3	6	B	G	B	G	B	G	B	B	B	G	B	G
G93A49 *New*	93	3	3	3	4	4	5	3	4	G	F	G	G	F	G	G	G	G	G	G	G
G94P48	94	3	3	1	3	3	2	-	3	G	B	B	G	G	B	B	B	G	F	B	F
G95D32	95	3	3	2	2	3	4	4	3	G	G	B	G	B	B	G	G	G	G	G	G
G95M41	95	3	2	3	3	3	4	-	5	F	F	G	F	B	-	F	-	F	F	F	F
G96R61	96	2	3	2	3	2	2	-	4	B	G	G	G	G	G	G	G	G	B	G	B
G97A36 *New*	97	3	3	2	3	5	5	3	4	-	-	-	-	-	-	-	-	-	-	-	-
G98M44	98	3	4	2	5	4	4	5	4	G	G	G	F	B	G	F	F	F	G	G	G
G99A37 *New*	99	3	4	3	4	3	4	3	6	-	-	-	-	-	-	-	-	-	-	-	-
G99E68	99	3	2	3	2	3	3	2	5	F	G	G	G	G	F	G	G	G	F	G	F
G00A97 *New*	100	2	2	1	2	5	5	3	6	F	G	B	G	B	B	B	G	G	G	B	B
G00H12	100	3	2	2	4	4	4	3	5	G	B	F	G	F	B	G	F	F	F	G	F
G02K39	102	3	3	2	1	5	5	3	3	G	G	G	G	G	B	B	B	B	G	B	G
G03B96	103	3	3	4	3	4	3	5	4	F	G	G	F	G	G	G	G	G	F	G	F
G03R40	103	2	2	3	3	3	3	4	3	G	B	P	G	F	B	F	F	F	G	F	F
G04G36	104	4	2	1	5	5	6	3	3	F	G	B	B	B	B	B	B	B	F	B	F
G04S19	104	4	4	3	4	2	2	4	3	G	G	F	G	F	F	G	G	G	G	G	G
G05K08	105	3	4	1	6	5	6	4	4	G	G	G	G	B	G	F	F	F	F	G	G
G06A27 *New*	106	2	2	3	3	5	4	3	4	B	B	B	G	B	G	G	G	G	B	G	B
G06K93	106	3	3	2	4	3	3	5	3	G	F	G	G	B	B	B	G	B	G	B	G

Rating Scale
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

Drought
Artesian™
water-optimized hybrid

Silage products selected to perform for your herd.

Trust your Seed Advisor to understand the silage needs of your operation and offer product recommendations to help increase the productivity of your herd. In addition to choosing hybrids that fit your soil conditions and your grain quality requirements, your Seed Advisor can offer advice on:

> Soil testing to monitor fertility issues as a result of manure applications

> Timing of planting

> Harvest timing to ensure optimal moisture and higher quality silage

> How Enogen corn hybrids add value to your rations and can increase your return on investment potential

PRODUCT		AGRONOMIC CHARACTERISTICS						DISEASE TOLERANCE		AGRONOMIC RESEARCH RATINGS												
																	Feed Effect On*					
Golden Harvest Hybrid Series	Relative Maturity (RM)	Emergence	Root Strength	Drought	Staygreen	Plant Height	Ear Height	Gray Leaf Spot	Goss's Wilt	Yield (Tons/A)	CP (% of DM)	NDF 48 hr (%)	NDF Dig. 48 hr (%)	Starch (% of DM)	Fat (% of DM)	TDN (% of DM)	NEL (Mcal/lb)	Milk (lbs/Ton)*	Milk (lbs/Ac)*	Beef (lbs/Ton)*	Beef (lbs/Ac)*
G06Q68	106	3	3	2	4	4	5	5	4	F	G	B	B	G	G	G	G	G	F	G	F
G07F23	107	3	3	2	4	5	5	3	4	B	G	G	G	G	F	G	G	G	B	G	B
G07G73	107	3	3	2	3	3	4	3	5	B	G	G	F	F	G	G	G	G	B	B	B
G08D29	108	2	3	1	5	4	5	4	3	G	G	F	F	F	F	G	G	G	F	G	F
G08R52	108	3	2	2	4	5	5	5	4	G	G	G	G	G	F	F	F	F	G	G	G
G09T26	109	2	2	3	5	6	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-
G09Y24	109	3	4	1	5	5	3	5	4	G	G	G	G	G	G	G	G	G	G	G	G
G10D21	110	3	3	3	3	3	2	2	3	G	G	G	F	G	G	G	G	G	F	G	G
G10L16	110	2	4	1	5	5	6	4	3	G	F	B	G	B	B	G	G	G	G	G	G
G11B63	111	4	3	1	2	3	3	4	3	B	G	G	G	F	F	G	G	G	B	G	B
G11V76	111	3	2	2	4	4	6	4	6	G	G	G	F	F	F	G	G	G	G	F	G
G12A22 ***New***	112	3	3	4	4	4	3	3	4	B	G	G	G	F	F	G	G	G	G	G	G
G12S75	112	3	3	4	2	2	4	3	3	B	F	P	F	P	F	G	G	G	G	F	G
G13D55	113	4	3	3	2	3	3	3	3	G	G	B	G	B	B	B	G	G	G	G	G
G13H15	113	3	3	2	3	3	3	3	3	B	F	G	G	G	P	G	G	G	B	G	B
G13M88	113	3	2	4	3	5	4	3	3	G	F	G	F	G	G	F	F	F	F	G	F
G13N18	113	3	5	3	5	4	5	6	4	G	G	F	G	G	G	B	G	B	G	B	F
G13P84	113	3	2	3	3	5	5	4	3	G	B	G	G	G	G	G	G	G	G	G	G
G13T41	113	4	2	2	2	4	5	4	5	-	-	-	-	-	-	-	-	-	-	-	-
G13Z50	113	2	2	3	3	4	4	4	3	G	F	G	G	G	P	G	G	G	F	G	F
G14N11	114	2	2	3	3	3	2	5	4	G	G	B	G	B	F	G	G	G	G	G	G
G14R38	114	3	2	3	4	3	2	5	4	G	F	B	G	B	B	B	B	B	B	B	B
G15J91	115	4	2	2	4	3	5	4	4	G	G	G	G	F	G	B	B	G	G	G	G
G15L32	115	2	3	4	2	4	5	3	4	B	G	B	G	B	G	G	G	G	G	G	G
G16K01	116	4	5	2	3	4	4	5	3	G	F	G	G	G	G	G	B	G	G	B	G
G16Q82	116	3	2	1	3	3	3	3	3	G	F	G	G	B	G	G	G	G	G	G	G
G17A74 ***New***	117	3	4	3	4	3	5	3	3	G	B	F	B	F	G	G	G	B	B	B	B
G17A81 ***New***	117	3	3	4	3	4	3	3	3	F	G	G	G	G	G	G	G	G	F	G	G
G17E95	117	3	3	5	3	2	3	3	2	G	G	P	G	P	G	G	G	G	B	G	B
G18D87	118	4	4	3	2	2	3	3	4	G	B	F	G	F	F	G	G	G	B	G	B

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

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

Drought Artesian™ water-optimized hybrid

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

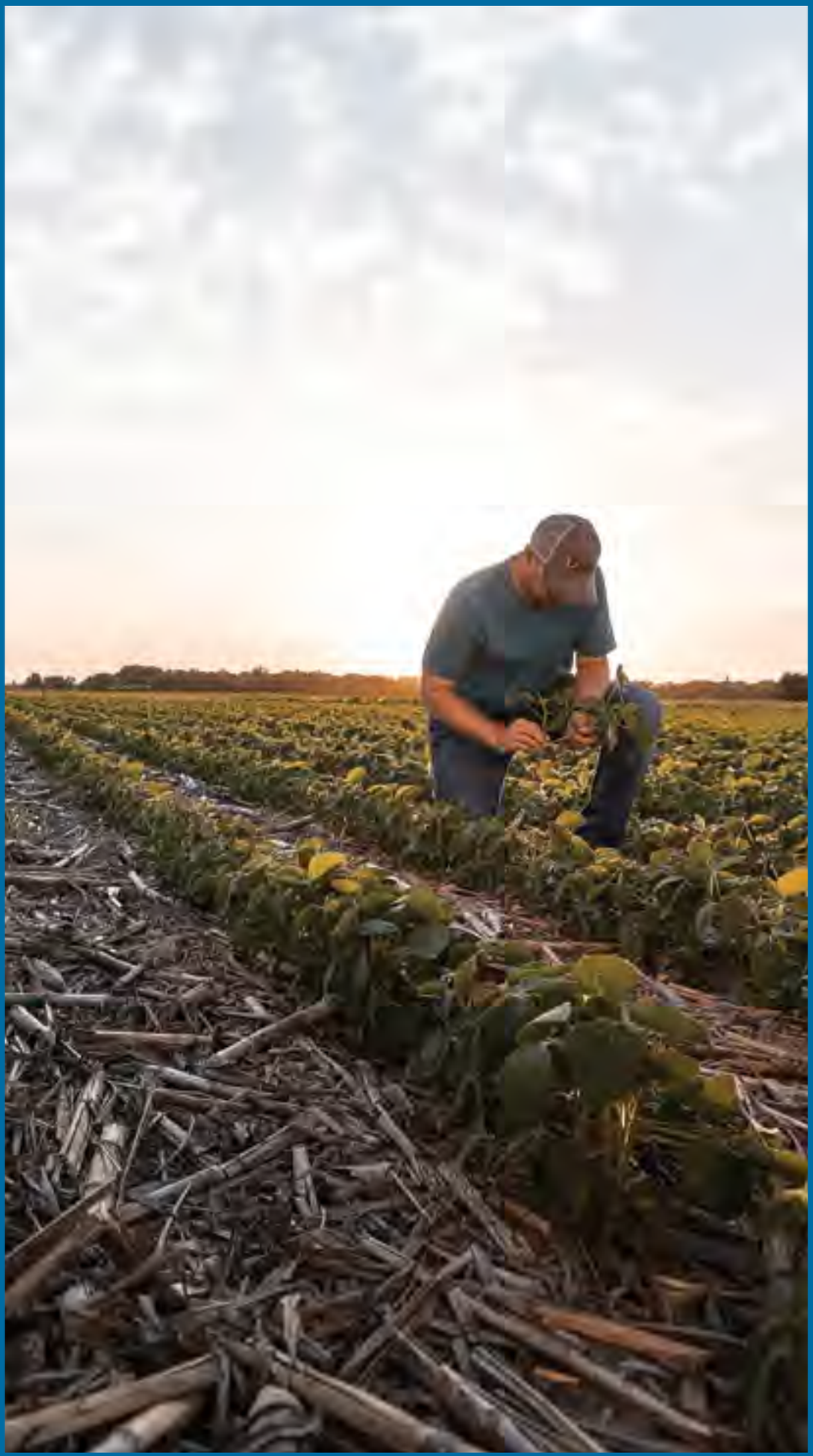
Flex hybrids adjust to growing conditions by changing ear length or kernel depth. Determinate/Fixed hybrids are less able to adjust ear size. Plant population is considered more important for a determinate-ear hybrid than for a flex-ear hybrid.

Note: 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, in turn, predispose plants to secondary disease such as stalk and ear rot. 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.

SOYBEANS

SOYBEAN SELECTIONS



Setting a New Standard in Yield and Performance.

Golden Harvest® soybeans bring you elite genetics for top-end yield potential within the herbicide tolerance trait platforms you want. With nearly 900 local trials, our broad portfolio of soybean varieties is bred, tested and proven locally to protect against many of today's toughest threats. Our Golden Harvest Seed Advisors are ready to help you select the right soybean varieties for the right fields to achieve and surpass your goals this year.

GOLD SERIES™

Soybean Portfolio

Golden Harvest® Gold Series soybeans are the gold standard for soybean yield potential and performance, with **19 products** chosen for 2023 based on the industry's best performance and agronomic traits. Gold Series varieties include our exclusive genetics in high-demand trait platforms like Enlist E3® soybeans and XtendFlex® soybeans, offering farmers proven performance in addition to broad herbicide trait choice.

Gold Series varieties are made possible by the speed, power and precision of Syngenta R&D, getting the right traits into varieties and commercializing them as quickly as possible. And the reviews are in: the new 2023 varieties were "field-proven" in 2022 by Golden Harvest farmers.

8 NEW High-demand Gold Series varieties coming in 2023

ROI Potential: On average, 1 bushel can potentially be around $15 more per acre*

*Yield advantages are composites based on the results of 2021 Syngenta first-party and third-party trials. For more information regarding yield comparisons against an individual product, ask your Golden Harvest Seed Advisor.

Weed Control System
Enlist E3 Soybeans

Closing the Gap on Performance Needs

Golden Harvest® brand soybeans with the Enlist E3® soybean trait technology provide yield potential and agronomics coupled with superior application flexibility and tank-mix options to manage resistant weeds. Where other varieties may leave gaps in protection, Enlist E3 soybeans from Golden Harvest make for a pairing that performs. And as always, this in-demand weed management system is backed by the people who live out our promise to listen first, turn learnings to innovation and respond with results.

GoldenHarvest Preferred Seed Treatment
CMX APX Series

Golden Harvest Preferred Seed Treatment delivers customized soybean seed protection with improved disease control and handling properties.

Powered by CruiserMaxx® APX

> CruiserMaxx® APX combines the proven performance of CruiserMaxx Vibrance® with the supercharged protection of picarbutrazox (PCBX).

> This means unmatched protection against early-season insects and diseases, including *Pythium* and *Phytophthora*, alongside increased plant vigor and enhanced root health benefits, which maximizes water and nutrient uptake.

> Our optimized formulation ensures uniform coverage and superior plantability.

SOYBEAN CHARACTERISTICS

PRODUCT			AGRONOMIC/PLANT CHARACTERISTICS*																		
																Adaptation to Soil Types/Yield Environments					Herbicide Responses	
Golden Harvest Soybean Brands	Herbicide Tolerant Traits	Relative Maturity (RM)	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 Rating	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained	Sulfentrazone	Metribuzin
GH00629X	RR2X	0.06	3	M	MS	IND	2	1	2	PUR	LTW	BR	BR	INC	1	F	F	B	G	G	B	B
GH00833E3	E3	0.08	3	MT	M	IND	4	1	2	PUR	GR	BR	BF	-	-	B	G	B	B	G	B	G
GH00973E3 *New* ●	E3	0.09	2	M	MS	IND	2	-	-	PUR	GR	TN	YEL	INC	1	B	G	B	B	B	-	-
GH00982XF	XF	0.09	3	M	M	IND	2	1	2	PUR	LTW	TN	BL	INC	1	G	G	B	B	G	G	G
GH0213E3 *New*	E3	0.2	3	M	MS	IND	2	1	2	PUR	GR	TN	YEL	EXC	1	G	G	G	B	B	-	-
GH0272XF	XF	0.2	3	M	MT	IND	3	1	2	PUR	LTW	TN	BL	INC	2	G	G	B	B	G	B	B
GH0308X	RR2X	0.3	3	M	MS	IND	2	1	2	PUR	LTW	TN	IMY	INC	2	F	F	G	G	G	B	B
GH0363E3 *New*	E3	0.3	2	MB	MS	IND	3	1	2	PUR	GR	TN	IMB	EXC	2	B	F	B	B	B	-	-
GH0443X	RR2X	0.4	3	M	MS	IND	2	1	2	PUR	LTW	TN	BL	EXC	2	B	B	G	G	G	B	G
GH0502XF ●	XF	0.5	3	M	M	IND	3	2	1	PUR	LTW	TN	IMY	INC	1	B	F	F	G	B	B	F
GH0653XF *New*	XF	0.6	3	M	M	IND	3	1	1	PUR	LTW	TN	BL	EXC	2	B	G	B	G	G	-	-
GH0693E3 *New*	E3	0.6	3	M	MS	IND	2	1	2	PUR	GR	TN	BF	EXC	3	G	G	G	B	B	-	-
GH0803XF *New*	XF	0.8	3	M	MT	IND	3	1	2	PUR	LTW	TN	BL	INC	2	B	G	B	B	B	-	-
GH0842E3	E3	0.8	3	M	M	IND	2	1	2	PUR	GR	TN	BF	EXC	3	F	F	B	G	G	-	-
GH0933E3 *New* ●	E3	0.9	3	MB	MS	IND	2	1	1	PUR	GR	TN	BF	EXC	2	B	F	B	B	B	-	-
GH0983XF *New*	XF	0.9	2	M	MS	IND	2	1	1	PUR	LTW	BR	GR	INC	1	B	F	B	B	B	-	-
GH1012E3	E3	1.0	2	MB	M	IND	2	2	1	PUR	GR	BR	GR	EXC	3	F	F	F	B	F	B	F
GH1032XF	XF	1.0	2	M	M	IND	3	2	1	PUR	LTW	TN	IMY	INC	2	B	G	F	G	G	B	G
GH1303XF *New*	XF	1.3	3	M	M	IND	3	1	1	PUR	LTW	BR	BL	INC	1	B	G	G	B	G	-	-
GH1323XF *New* ●	XF	1.3	3	MT	MT	IND	2	1	2	PUR	LTW	BR	BR	INC	3	B	G	B	B	B	-	-
GH1362E3	E3	1.3	3	MB	MT	IND	3	2	1	PUR	GR	TN	IMB	INC	3	G	G	B	G	G	B	B
GH1442XF	XF	1.4	3	M	MT	IND	3	1	1	PUR	LTW	BR	BR	INC	2	G	G	B	B	G	G	B
GH1472E3	E3	1.4	2	M	M	IND	3	1	2	PUR	GR	TN	BF	EXC	1	G	G	B	B	B	B	B
GH1762XF	XF	1.7	3	M	MT	IND	2	1	2	PUR	LTW	BR	BR	INC	3	G	G	B	B	G	G	G
GH1763E3	E3	1.7	3	M	M	IND	2	2	1	WH	LTW	TN	BL	INC	3	G	F	G	G	G	B	B

*NOTE: A few product descriptions and ratings are sourced from the variety's genetic supplier and may change as additional data is gathered.

Herbicide Tolerant Traits
E3 = Enlist E3®
E3/STS = Enlist E3® and STS®
RR2X = Roundup Ready 2 Xtend®
XF = XtendFlex®
XF/STS = XtendFlex® and STS®

GOLD SERIES™ **Gold Series =** ●

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

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

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
INC = Includer
EXC = Excluder

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

GRAIN QUALITY*		DISEASE/PEST*													PRODUCT
		Phytophthora Root Rot		Soybean Cyst Nematode											
% Protein @13% mst.	% Oil @13% mst.	Gene Resistance	Field Tolerance	Gene Source	Race Resistances	Southern Stem Canker	Root Knot Nematode-Incognita	Iron Deficiency Chlorosis (IDC)	Brown Stem Rot (BSR)	Charcoal Rot (CHR)	Soybean White Mold (SWM)	Pod & Stem Blight (PSB)	Sudden Death Syndrome (SDS)	Frogeye Leaf Spot (FELS)	Golden Harvest Soybean Brands
-	-	Rps1c	3	S	S	-	-	4	3	-	3	6	-	-	GH00629X
31.9	19.1	Rps1a	4	PI88788	MR3	-	-	3	2	-	6	4	-	-	GH00833E3
31.5	18.3	Rps1c, Rps3a	2	PI88788	MR3, MR14	1	-	3	3	-	5	-	-	-	GH00973E3 *New* ●
32.7	18.9	Rps1c	3	PI88788	MR3	1	-	3	3	-	3	5	2	-	GH00982XF
31.9	19.6	Rps1c, Rps3a	2	PI88788	MR3	1	-	3	3	-	4	6	-	-	GH0213E3 *New*
33.0	19.1	Rps1c	3	PI88788	MR3	1	-	3	3	-	3	5	2	-	GH0272XF
-	-	Rps1c, Rps3a	4	S	S	-	-	4	3	-	3	4	-	-	GH0308X
33.2	18.6	Rps1c	3	PI88788	MR3	1	-	4	3	-	3	7	-	-	GH0363E3 *New*
35.3	18.0	Rps1c	4	PI88788	MR3	1	-	2	3	-	2	3	2	-	GH0443X
34.7	17.6	Rps1c	3	PI88788	MR3	1	-	4	5	-	3	5	4	-	GH0502XF ●
32.7	19.4	Rps1c	4	PI88788	MR3	1	-	3	3	-	2	7	-	-	GH0653XF *New*
33.0	18.6	Rps3a	2	PI88788	MR3	1	-	3	4	-	4	6	2	-	GH0693E3 *New*
35.2	17.6	S	2	PI88788	MR3, MR14	1	-	3	4	-	5	6	3	-	GH0803XF *New*
33.7	17.8	S	3	PI88788	R3, MR14	-	-	4	-	-	3	2	4	-	GH0842E3
34.5	18.0	Rps1k	2	PI88788	MR3, MR14	1	-	4	3	-	3	5	3	2	GH0933E3 *New* ●
34.6	17.6	Rps1c, Rps3a	2	PI88788	MR3, MR14	1	-	4	3	-	3	4	2	-	GH0983XF *New*
35.7	17.4	S	4	PI88788	R3, MR14	-	-	4	4	-	4	3	2	-	GH1012E3
34.8	17.6	Rps1c	3	PI88788	R3	1	-	3	5	-	3	5	3	2	GH1032XF
33.9	17.8	Rps1c, Rps3a	2	S	S	1	-	3	3	-	3	4	5	-	GH1303XF *New*
34.6	17.9	Rps1c, Rps3a	2	PI88788	MR3, MR14	1	-	3	3	-	2	3	2	-	GH1323XF *New* ●
35.3	17.3	Rps1c	4	PI88788	MR3, MR14	-	-	3	3	-	5	5	4	-	GH1362E3
34.4	18.0	Rps1c	2	PI88788	MR3	1	-	3	2	-	2	4	2	-	GH1442XF
34.2	18.1	Rps1c, Rps3a	3	Peking	MR1, R3, MR5	1	-	3	3	-	4	6	4	-	GH1472E3
34.2	18.6	Rps1c	4	PI88788	MR3	1	-	3	2	-	3	4	3	5	GH1762XF
34.4	18.5	S	4	PI88788	MR3	-	-	4	3	-	4	5	2	5	GH1763E3

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, the gene(s) conveying the resistance and general field tolerance rating are listed.

Soybean Cyst Nematode (SCN)
The PI88788 and Peking genes confer varying resistances to certain races of SCN. Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.
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)

Phytophthora 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 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.

Disease/Pest Ratings
1 = Best
9 = Worst
- = Not Available

SOYBEAN CHARACTERISTICS

PRODUCT			AGRONOMIC/PLANT CHARACTERISTICS*																			
																Adaptation to Soil Types/Yield Environments					Herbicide Responses	
Golden Harvest Soybean Brands	Herbicide Tolerant Traits	Relative Maturity (RM)	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 Rating	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained	Sulfentrazone	Metribuzin
GH1802E3 ●	E3	1.8	3	M	MT	IND	3	1	1	PUR	GR	BR	IMB	INC	2	B	G	G	B	G	B	G
GH1922E3	E3	1.9	3	MT	MT	IND	3	1	1	PUR	LTW	BR	BL	-	2	F	G	B	G	G	-	-
GH1973E3S *New*	E3/STS	1.9	3	M	M	IND	3	2	1	PUR	GR	BR	IMB	INC	2	G	F	B	G	B	-	-
GH1993XF *New*	XF	1.9	3	MB	M	IND	4	3	1	PUR	LTW	BR	BL	INC	4	G	G	B	G	B	-	-
GH2083E3S *New* ●	E3/STS	2.0	2	MB	MS	IND	2	2	1	PUR	GR	TN	IMB	INC	3	G	G	B	G	G	-	-
GH2102XF ●	XF	2.1	3	M	M	IND	4	3	1	WH	LTW	BR	BL	INC	3	B	G	G	G	B	B	G
GH2292E3 ●	E3	2.2	3	M	M	IND	2	1	1	PUR	GR	BR	IMB	INC	3	G	G	B	B	B	B	B
GH2313XF *New*	XF	2.3	3	M	M	IND	3	1	1	WH	LTW	BR	BL	INC	2	G	F	G	B	B	-	-
GH2463E3S *New*	E3/STS	2.4	3	MB	MT	IND	3	2	1	PUR	GR	BR	BF	-	-	-	P	-	-	-	-	-
GH2505E3	E3	2.5	3	M	MT	IND	4	3	1	PUR	GR	BR	IMB	-	3	G	G	G	B	G	B	G
GH2610E3	E3	2.6	2	M	M	IND	2	1	2	PUR	GR	TN	BF	INC	2	F	G	B	G	G	G	B
GH2653XF *New* ●	XF	2.6	3	M	M	IND	3	1	1	PUR	GR	BR	IMB	INC	2	B	P	G	B	B	-	-
GH2722XF ●	XF	2.7	2	M	MT	IND	3	2	1	PUR	LTW	BR	BL	INC	3	B	P	G	B	B	G	G
GH2818E3	E3	2.8	2	M	M	IND	3	1	1	WH	GR	TN	BF	INC	2	B	F	B	B	G	G	B
GH2872XF	XF	2.8	2	MB	MT	IND	3	2	1	PUR	LTW	TN	BL	INC	2	G	G	B	G	F	F	B
GH2922E3 ●	E3	2.9	2	MB	M	IND	2	1	1	WH	GR	TN	BF	INC	3	B	G	G	G	B	G	B
GH3023XF *New* ●	XF	3.0	2	M	M	IND	3	1	1	WH	LTW	BR	BL	INC	2	B	F	B	G	B	-	-
GH3043E3 *New*	E3	3.0	2	MB	MS	IND	2	1	1	PUR	GR	TN	IMB	EXC	2	G	P	B	G	G	-	-
GH3132E3 ●	E3	3.1	2	MB	M	IND	3	2	1	WH	GR	TN	BF	INC	3	G	G	G	G	G	B	B
GH3192XF ●	XF	3.1	3	MT	T	IND	4	2	2	PUR	LTW	TN	BL	INC	3	G	G	B	G	G	B	B
GH3373E3S *New*	E3/STS	3.3	2	MB	M	IND	3	1	1	PUR	GR	TN	IMB	INC	1	F	F	B	G	G	-	-
GH3392E3	E3	3.3	2	MB	M	IND	4	1	1	PUR	LTW	BR	BL	-	3	B	F	F	G	G	-	-
GH3442XF	XF	3.4	3	MB	M	IND	3	2	1	PUR	LTW	BR	BL	INC	3	B	F	G	B	B	B	G
GH3582E3	E3	3.5	2	M	M	IND	2	1	1	PUR	GR	TN	IMB	INC	2	B	P	B	G	G	B	B
GH3693E3S *New*	E3/STS	3.6	3	M	M	IND	2	1	1	PUR	LTW	BR	BL	-	-	-	P	-	-	-	-	-
GH3732XF	XF	3.7	2	M	M	IND	2	1	1	PUR	LTW	BR	BL	INC	3	G	G	B	G	G	B	B

*NOTE: A few product descriptions and ratings are sourced from the variety's genetic supplier and may change as additional data is gathered.

Herbicide Tolerant Traits
E3 = Enlist E3®
E3/STS = Enlist E3® and STS®
RR2X = Roundup Ready 2 Xtend®
XF = XtendFlex®
XF/STS = XtendFlex® and STS®

GOLD SERIES™ **Gold Series =** ●

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

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

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
INC = Includer
EXC = Excluder

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

GRAIN QUALITY*		DISEASE/PEST*													PRODUCT
		Phytophthora Root Rot		Soybean Cyst Nematode											
% Protein @13% mst.	% Oil @13% mst.	Gene Resistance	Field Tolerance	Gene Source	Race Resistances	Southern Stem Canker	Root Knot Nematode-Incognita	Iron Deficiency Chlorosis (IDC)	Brown Stem Rot (BSR)	Charcoal Rot (CHR)	Soybean White Mold (SWM)	Pod & Stem Blight (PSB)	Sudden Death Syndrome (SDS)	Frogeye Leaf Spot (FELS)	Golden Harvest Soybean Brands
34.2	18.6	Rps1c	3	PI88788	R3	1	-	3	3	5	3	6	4	4	GH1802E3 ●
33.7	18.5	Rps1k	3	PI88788	R3, MR14	1	-	3	-	-	4	4	3	5	GH1922E3
33.6	18.8	Rps1k	4	Peking	MR1, MR3, MR5	1	-	4	3	-	4	5	4	5	GH1973E3S *New*
34.8	18.8	Rps1c	3	PI88788	MR3, MR14	1	-	3	3	-	4	4	2	4	GH1993XF *New*
32.7	19.5	Rps1c	4	PI88788	MR3, R14	-	-	3	4	4	4	2	3	4	GH2083E3S *New* ●
33.6	18.9	Rps1c	2	PI88788	MR3	1	-	3	5	4	3	6	3	4	GH2102XF ●
33.8	18.6	Rps1c	2	PI88788	MR3	1	-	3	3	4	3	2	2	4	GH2292E3 ●
33.2	19.7	Rps1c	3	PI88788	MR3	1	-	4	3	3	3	-	4	5	GH2313XF *New*
-	-	Rps1a	4	PI88788	R3, MR14	-	-	5	-	-	4	-	4	-	GH2463E3S *New*
32.4	20.5	S	4	PI88788	MR3	1	-	3	3	5	5	-	5	4	GH2505E3
30.6	19.9	Rps1k	4	Peking	-	-	-	3	4	3	4	-	3	4	GH2610E3
34.5	18.7	Rps1c	3	PI88788	MR3	1	-	5	3	5	4	-	3	5	GH2653XF *New* ●
34.1	19.3	Rps1c	3	PI88788	MR3	1	-	5	3	4	3	3	2	5	GH2722XF ●
33.4	19.7	Rps1k	4	PI88788	MR3	1	-	4	3	5	4	-	3	3	GH2818E3
32.1	19.5	S	4	PI88788	R3	1	-	3	2	3	6	5	4	6	GH2872XF
34.5	18.4	Rps1k, Rps3a	4	PI88788	R3	1	-	3	3	4	4	-	3	3	GH2922E3 ●
34.3	18.5	Rps1c	3	PI88788	R3	1	-	4	3	4	3	-	2	2	GH3023XF *New* ●
33.4	19.3	Rps3a	4	PI88788	MR3, MR14	1	-	5	3	3	6	-	3	2	GH3043E3 *New*
34.4	18.5	Rps1k, Rps3a	4	PI88788	R3	1	-	3	3	4	5	-	3	-	GH3132E3 ●
33.5	19.5	Rps1k	4	PI88788	MR3	1	-	3	3	2	5	4	3	2	GH3192XF ●
33.1	18.8	Rps1c	4	PI88788	R3, MR14	1	-	4	3	5	5	-	2	4	GH3373E3S *New*
34.4	19.0	S	4	PI88788	R3, MR14	1	-	4	-	4	5	-	3	4	GH3392E3
32.4	19.4	Rps1c	4	PI88788	MR3	1	-	4	3	4	4	3	3	2	GH3442XF
32.8	19.7	S	3	PI88788	R3, MR14	1	-	5	3	2	3	-	3	5	GH3582E3
-	-	Rps1k	3	PI88788	R3, MR14	1	-	5	-	-	3	-	2	4	GH3693E3S *New*
32.2	18.5	S	4	PI88788	R3	1	-	3	4	4	-	-	3	2	GH3732XF

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, the gene(s) conveying the resistance and general field tolerance rating are listed.

Soybean Cyst Nematode (SCN)
The PI88788 and Peking genes confer varying resistances to certain races of SCN. Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.
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)

Phytophthora 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 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.

Disease/Pest Ratings
1 = Best
9 = Worst
- = Not Available

SOYBEAN CHARACTERISTICS

PRODUCT			AGRONOMIC/PLANT CHARACTERISTICS*																			
																Adaptation to Soil Types/Yield Environments					Herbicide Responses	
Golden Harvest Soybean Brands	Herbicide Tolerant Traits	Relative Maturity (RM)	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 Rating	Drought Prone	High pH	Highly Productive	Variable	Poorly Drained	Sulfentrazone	Metribuzin
GH3762E3S ●	E3/STS	3.7	2	M	T	IND	4	2	1	WH	GR	TN	BF	EXC	3	B	G	G	B	B	B	B
GH3853E3S *New*	E3/STS	3.8	3	MB	MT	IND	3	2	1	WH	LTW	TN	BR	-	-	-	F	-	-	-	-	-
GH3883XF *New*	XF	3.8	1	MB	MT	IND	3	2	1	PUR	LTW	TN	BL	INC	2	G	F	B	B	G	-	-
GH3902E3S ●	E3/STS	3.9	2	MB	T	IND	4	3	1	WH	GR	TN	BF	EXC	2	B	P	G	B	B	B	B
GH3913XF *New* ●	XF	3.9	2	MB	T	IND	3	2	1	PUR	GR	BR	IMB	INC	3	B	G	B	B	B	-	-
GH3922E3	E3	3.9	2	MB	M	IND	2	1	1	WH	GR	BR	BF	INC	3	B	F	G	G	G	B	G
GH4093E3 *New*	E3	4.0	2	M	M	IND	2	1	1	PUR	GR	TN	BF	EXC	3	G	G	G	G	B	-	-
GH4155E3	E3	4.1	2	MB	MT	IND	2	1	1	PUR	LTW	TN	BR	INC	2	G	G	G	F	G	G	G
GH4222XF ●	XF	4.2	3	M	MT	IND	2	1	1	PUR	LTW	BR	BL	INC	3	B	F	B	B	G	P	B
GH4343XFS *New* ●	XF/STS	4.3	2	MB	MT	IND	2	1	1	WH	GR	BR	BF	INC	2	B	P	B	B	B	-	-
GH4362E3S	E3/STS	4.3	2	MB	MT	IND	2	1	1	PUR	GR	BR	IMB	INC	5	F	P	F	G	F	-	-
GH4392XF	XF	4.3	3	M	MT	IND	4	3	2	PUR	LTW	BR	BL	INC	4	B	G	B	G	G	F	B
GH4433E3S *New*	E3/STS	4.4	2	MB	M	IND	4	3	1	WH	GR	BR	BF	INC	3	G	P	G	B	B	-	-
GH4452XFS	XF/STS	4.4	2	M	MT	IND	3	1	2	WH	GR	BR	BF	INC	4	B	P	B	B	B	F	B
GH4512XF	XF	4.5	2	M	T	IND	3	1	1	PUR	LTW	BR	BL	EXC	4	F	P	G	G	G	F	B
GH4582E3	E3	4.5	2	MB	MT	IND	4	4	1	WH	GR	BR	BF	INC	5	B	P	P	B	G	B	F
GH4612E3S	E3/STS	4.6	1	M	T	IND	3	3	1	PUR	GR	BR	IMB	EXC	3	B	F	G	B	G	F	G
GH4663XFS *New*	XF/STS	4.6	2	MB	MT	IND	3	2	1	WH	LTW	BR	BL	INC	2	G	B	B	G	G	-	-
GH4882XFS	XF/STS	4.8	2	M	MT	IND	3	1	1	WH	GR	BR	BF	INC	4	G	F	B	G	B	P	G
GH4972E3S	E3/STS	4.9	3	MB	MT	IND	3	2	1	WH	GR	BR	BF	EXC	4	G	P	F	G	B	-	-

*NOTE: A few product descriptions and ratings are sourced from the variety's genetic supplier and may change as additional data is gathered.

Herbicide Tolerant Traits
E3 = Enlist E3®
E3/STS = Enlist E3® and STS®
RR2X = Roundup Ready 2 Xtend®
XF = XtendFlex®
XF/STS = XtendFlex® and STS®

GOLD SERIES™ **Gold Series =** ●

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

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

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
INC = Includer
EXC = Excluder

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

GRAIN QUALITY*		DISEASE/PEST*													PRODUCT
		Phytophthora Root Rot		Soybean Cyst Nematode											
% Protein @13% mst.	% Oil @13% mst.	Gene Resistance	Field Tolerance	Gene Source	Race Resistances	Southern Stem Canker	Root Knot Nematode-Incognita	Iron Deficiency Chlorosis (IDC)	Brown Stem Rot (BSR)	Charcoal Rot (CHR)	Soybean White Mold (SWM)	Pod & Stem Blight (PSB)	Sudden Death Syndrome (SDS)	Frogeye Leaf Spot (FELS)	Golden Harvest Soybean Brands
33.0	19.6	Rps1c	3	PI88788	MR3	1	-	3	3	4	6	-	2	2	GH3762E3S ●
-	-	Rps1c	3	PI88788	R3, MR14	1	-	4	-	-	5	-	3	3	GH3853E3S ***New***
33.0	19.4	Rps1c	4	PI88788	MR3, MR14	1	-	4	3	3	-	-	4	3	GH3883XF ***New***
32.3	19.7	Rps1c	3	PI88788	R3	1	-	5	3	2	6	-	2	2	GH3902E3S ●
33.9	18.7	Rps1c	3	PI88788	MR3, MR14	1	-	3	3	3	-	-	2	3	GH3913XF ***New*** ●
34.1	18.3	Rps1a	4	PI88788	MR3	1	6	4	3	3	-	-	3	3	GH3922E3
34.3	18.4	Rps1c	3	PI88788	MR3, MR14	1	-	3	3	4	-	-	3	4	GH4093E3 ***New***
34.6	18.3	Rps3a	4	PI88788	MR3	-	5	3	3	-	-	-	5	3	GH4155E3
33.3	18.5	S	3	PI88788	MR3	1	8	4	3	4	-	-	2	4	GH4222XF ●
34.3	18.5	Rps1c	2	PI88788	MR3	1	5	5	3	-	-	-	3	5	GH4343XFS ***New*** ●
34.9	18.5	S	4	PI88788	R3, MR14	1	7	6	-	3	-	-	3	3	GH4362E3S
34.0	18.2	S	3	PI88788	MR3	1	8	3	3	3	-	-	3	2	GH4392XF
34.8	17.9	Rps1c	3	PI88788	MR3, MR14	1	3	5	3	3	-	-	3	2	GH4433E3S ***New***
33.8	18.2	Rps1c	3	PI88788	MR3	1	5	5	3	3	-	-	4	4	GH4452XFS
34.9	18.4	S	4	PI88788	R3	1	5	6	4	5	-	-	4	2	GH4512XF
33.7	18.7	Rps1c, Rps3a	3	PI88788	R3	1	3	6	3	3	-	-	3	2	GH4582E3
35.0	18.1	S	4	PI88788	MR3	1	3	4	3	3	-	-	3	4	GH4612E3S
33.8	19.1	Rps1k	3	PI88788	R3	1	5	2	3	3	-	-	5	4	GH4663XFS ***New***
33.4	18.6	Rps1k	4	PI88788	MR3, MR14	3	6	4	-	4	-	-	3	2	GH4882XFS
34.9	17.8	S	4	PI88788	R3, MR14	1	5	6	-	4	-	-	4	3	GH4972E3S

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, the gene(s) conveying the resistance and general field tolerance rating are listed.

Soybean Cyst Nematode (SCN)
The PI88788 and Peking genes confer varying resistances to certain races of SCN. Refer to the "Race Resistances" column for phenotypic (expressed) resistance ratings.
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)

Phytophthora 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 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.

Disease/Pest Ratings
1 = Best
9 = Worst
- = Not Available

SOYBEAN VARIETIES

Indicates brand.

The first 2-3 digits indicate the relative maturity.

The last two digits uniquely identify the variety.

Indicates soybean variety trait.
(E3, XF, X) S – The STS trait confers tolerance to sulfonylurea herbicides.

RM
Specific relative maturity for this variety.

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

Herbicide Traits

Map
Primary (dark shade) and secondary (lighter shade, where applicable) areas of adaptation for this variety series. Areas are suggested; performance may vary.

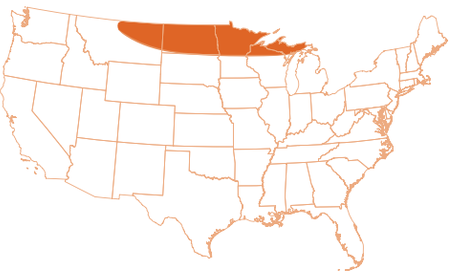
GH00973E3 BRAND

NEW // RM: 0.09

Top-end Yield Potential with Very Strong Agronomics

- Rps1c/3a gene stack with excellent field tolerance to Phytophthora Root Rot
- SCN protection with strong tolerance to Iron Deficiency Chlorosis
- Good performance in all yield environments, including stress acres

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	*Rating Not Available*				
Soybean White Mold	●	●	●		
Iron Deficiency Chlorosis	●	●	●	●	●



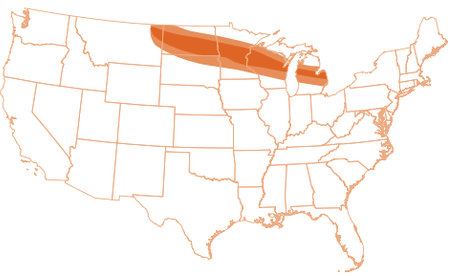
GH0502XF BRAND

RM: 0.5

Excellent Yield Potential That Delivers Under Stress

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	
Soybean White Mold	●	●	●	●	●
Iron Deficiency Chlorosis	●	●	●	●	



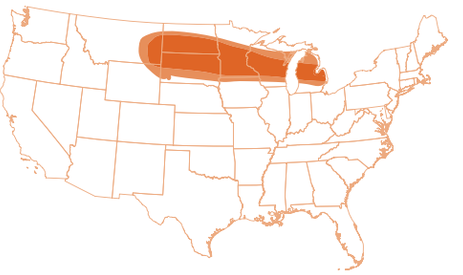
GH0933E3 BRAND

NEW // RM: 0.9

Stable Yield Potential Across Acres

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●	●	●
Iron Deficiency Chlorosis	●	●	●	●	



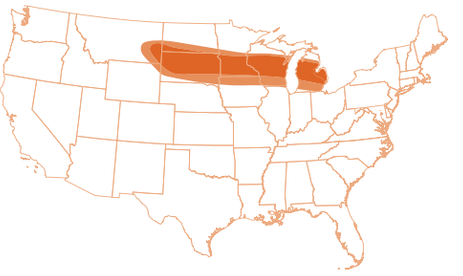
GH1323XF BRAND

NEW // RM: 1.3

Well-rounded Agronomic and Disease Package to Maximize Yield Potential

- Proven genetics with broad adaptation across soil types
- Very strong Soybean White Mold tolerance with excellent standability
- Rps1c/3a gene stack with strong performance in saturated soils

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●	●	●
Iron Deficiency Chlorosis	●	●	●	●	●



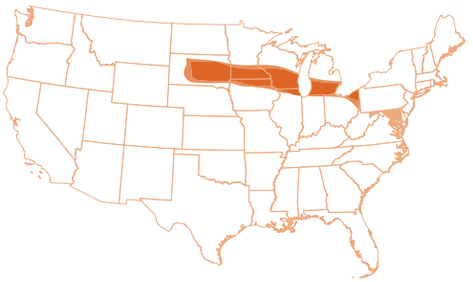
GH1802E3 BRAND

RM: 1.8

Trusted Genetics for the Enlist E3 Soybean Trait Platform

- Good stress tolerance for drought prone acres
- Stands well with very good tolerance to Soybean White Mold
- Performs well in high-yield environments

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	
Soybean White Mold	●	●	●	●	●
Iron Deficiency Chlorosis	●	●	●	●	●



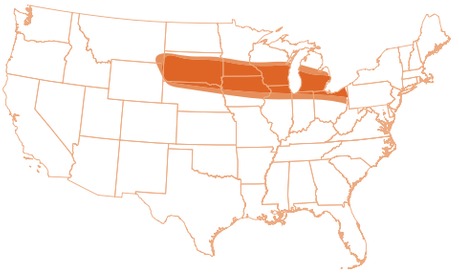
GH2083E3S BRAND

***NEW* // RM: 2.0**

Big Yield Potential with Broad Adaptation

- Best performance on soils with high organic matter and good water holding capacity
- Excellent top-end yield potential with fabulous standability
- Responds well to early planting, adding more potential height and yield

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●	●	
Iron Deficiency Chlorosis	●	●	●	●	●



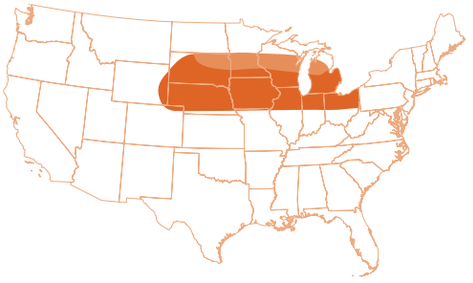
GH2102XF BRAND

RM: 2.1

Excellent Yield Potential with Broad Defense

- Widely adapted while excelling on poorly drained soils
- Very good tolerance to Phytophthora, SDS and IDC
- Performs well moving south of zone

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●		
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	
Soybean White Mold	●	●	●	●	
Iron Deficiency Chlorosis	●	●	●	●	



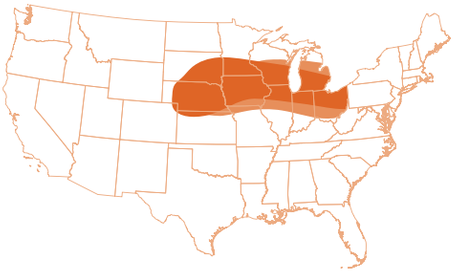
GH2292E3 BRAND

RM: 2.2

Reliable SWM Genetics with High Yield Potential and Agronomics

- Flexible for highly productive acres or variable soils
- Brings great Sudden Death Syndrome tolerance plus Rps1c gene
- Strong Soybean White Mold tolerance and standability

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●	●	
Iron Deficiency Chlorosis	●	●	●	●	



GH2653XF BRAND

NEW // RM: 2.6

High Yield Potential in All Environments

- Provides solid SDS tolerance and responds well to high yield management
- Proven genetics provide strong standability
- Rps1c gene with very good PRR field tolerance for poorly drained soils

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora Field Tolerance					
Sudden Death Syndrome					
Soybean White Mold					
Iron Deficiency Chlorosis					

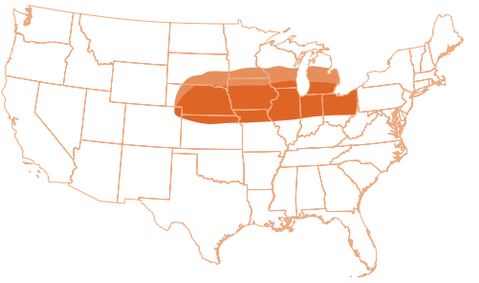
GH2722XF BRAND

RM: 2.7

Proven Genetics that Deliver Top-end Yield Potential

- Broadly adapted with excellent Sudden Death Syndrome tolerance
- Rps1c and very good Phytophthora tolerance for heavier soils
- Dependable standability throughout the season

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora Field Tolerance					
Sudden Death Syndrome					
Soybean White Mold					
Iron Deficiency Chlorosis					



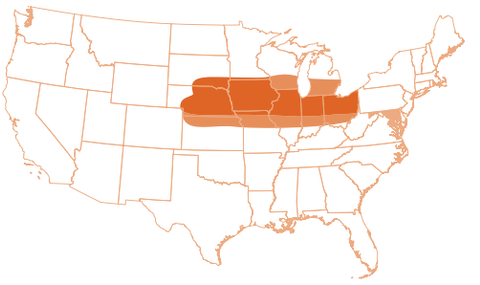
GH2922E3 BRAND

RM: 2.9

Exciting Yield Potential with a Stellar Defensive Package

- Broadly adapted across Group 2, excelling on saturated soils
- Features stacked PRR genes and proven SDS, IDC, and FELS tolerance
- Strong IDC tolerance for high pH soils

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora Field Tolerance					
Sudden Death Syndrome					
Soybean White Mold					
Iron Deficiency Chlorosis					



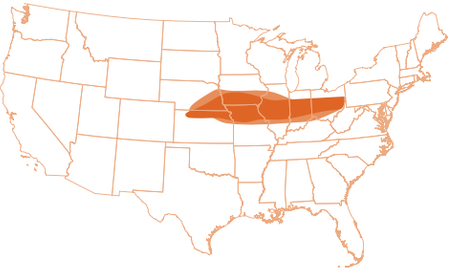
GH3023XF BRAND

NEW // RM: 3.0

Awesome Yield Potential with Strong Standability

- Maximizes yield potential in any environment
- Distinguishing tolerance to Sudden Death Syndrome
- Top-notch agronomic and disease package

Rating	9	7	5	3	BEST 1
Emergence					
Standability					
Phytophthora Field Tolerance					
Sudden Death Syndrome					
Soybean White Mold					
Frogeye Leaf Spot					



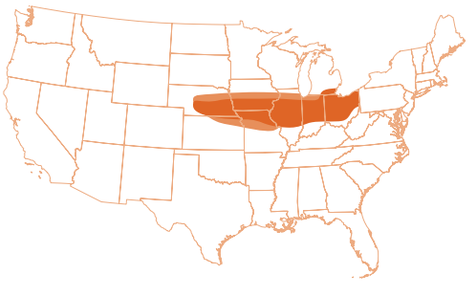
GH3132E3 BRAND

RM: 3.1

Widely Adapted with Solid Defense to Protect Yield Potential

- Stacked Rps1k/3a genes to protect against Phytophthora
- Good performance in clay soils with high water holding capacity
- Flexible to move north or south of zone

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	
Phytophthora Field Tolerance	●	●	●		
Sudden Death Syndrome	●	●	●	●	
Soybean White Mold	●	●	●		
Frogeye Leaf Spot				*Rating Not Available*	



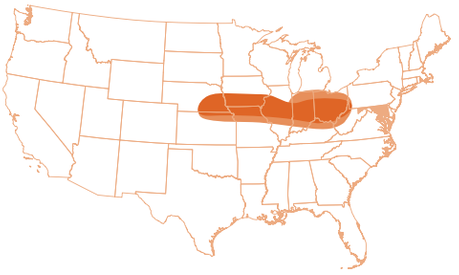
GH3192XF BRAND

RM: 3.1

Versatile Product with Aggressive Yield Potential

- Excels in high-yielding environments
- Flexible for any soil type or drainage situation
- Good defensive package to protect bushels

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●	●	
Phytophthora Field Tolerance	●	●	●	●	
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●		
Frogeye Leaf Spot	●	●	●	●	●



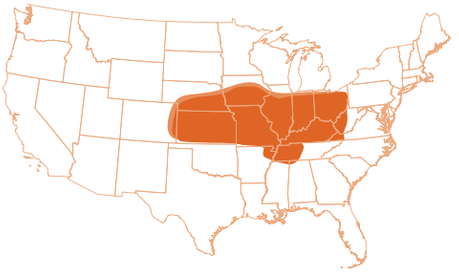
GH3762E3S BRAND

RM: 3.7

Top-end Yield Potential Backed by a Solid Disease Package

- Distinguishing SDS tolerance and Frogeye Leaf Spot protection
- Great performance at all productivity levels
- Excellent choice to push south of zone

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●	●	
Phytophthora Field Tolerance	●	●	●	●	
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●		
Frogeye Leaf Spot	●	●	●	●	●



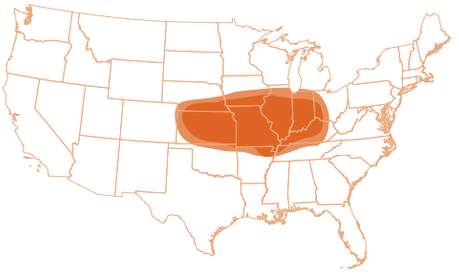
GH3902E3S BRAND

RM: 3.9

Great Choice for Variable Acres with the Top-End Potential for Highly Productive Farms

- STS and Excluder in a rugged plant type
- Great choice to combat SDS, Frogeye Leaf Spot and Southern Stem Canker
- Consistent across soil types and environments

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●	●	
Phytophthora Field Tolerance	●	●	●	●	
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold	●	●	●		
Frogeye Leaf Spot	●	●	●	●	●



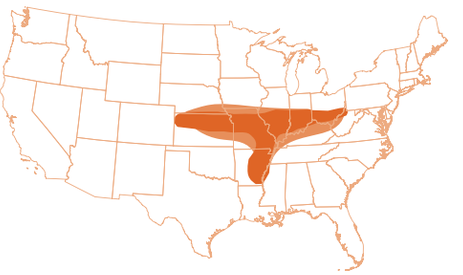
GH3913XF BRAND

NEW // RM: 3.9

Excellent Yield Potential Across Environments

- Broadly adapted for success at any yield level
- Proven Charcoal Root Rot tolerance and superb SDS protection
- Robust plant type allows for movement south of zone

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	
Phytophthora Field Tolerance	●	●	●	●	
Sudden Death Syndrome	●	●	●	●	●
Soybean White Mold					*Rating Not Available*
Frogeye Leaf Spot	●	●	●	●	



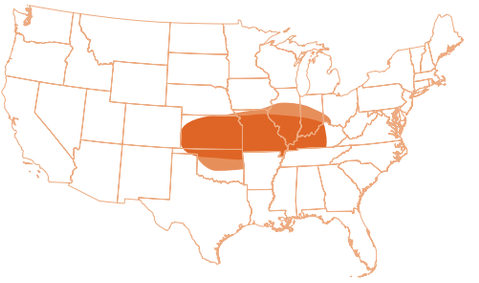
GH4222XF BRAND

RM: 4.2

Top-end Yield Potential with Broad Adaptation

- Superb tolerance to Sudden Death Syndrome with great standability
- Equally impressive on both dryland and irrigated acres
- Performs across all soil types

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	
Sudden Death Syndrome	●	●	●	●	●
Southern Stem Canker	●	●	●	●	●
Frogeye Leaf Spot	●	●	●		



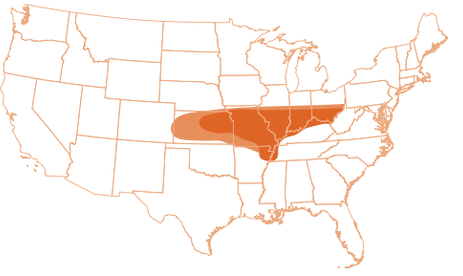
GH4343XFS BRAND

NEW // RM: 4.3

Exciting Top-end Yield Potential with STS Tolerance

- Broadly adapted across environments while excelling on highly productive acres
- Great standability and tolerance to Phytophthora Root Rot
- Well suited to either dryland or irrigated acres

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	
Standability	●	●	●	●	●
Phytophthora Field Tolerance	●	●	●	●	●
Sudden Death Syndrome	●	●	●	●	
Southern Stem Canker	●	●	●	●	●
Frogeye Leaf Spot	●	●	●		



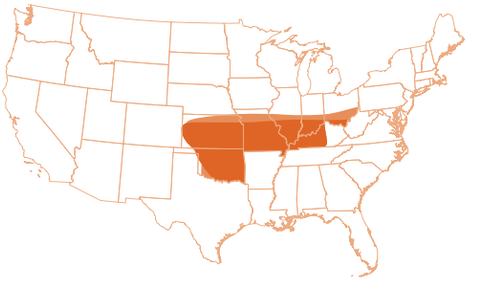
GH4612E3S BRAND

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

Rating	9	7	5	3	BEST 1
Emergence	●	●	●	●	●
Standability	●	●	●	●	
Phytophthora Field Tolerance	●	●	●		
Sudden Death Syndrome	●	●	●	●	
Southern Stem Canker	●	●	●	●	●
Frogeye Leaf Spot	●	●	●	●	



STEWARDSHIP

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.

Grower Stewardship Agreement

A strong stewardship program is essential for helping to protect and preserve the long-term value of Syngenta's trait technology. Embracing this responsibility provides growers with ongoing choices and helps to ensure they remain good stewards of the land. Prior to planting corn hybrids with traits, you are required to sign a Syngenta Seeds, LLC Stewardship Agreement. This agreement outlines the terms and conditions of growing hybrids with Syngenta Corn Traits, including the terms of a limited license under Syngenta's intellectual property, compliance with the Environmental Protection Agency (EPA)-mandated Insect Resistance Management (IRM) programs and grain channeling requirements. The deadline to have all completed agreements to Syngenta is June 30th, annually.

Agreements may be sent using one of the following four methods:

Online
agcelerate.com

Electronic Statement
Electronic signatures will only be accepted 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
PO Box 221679
Charlotte, NC 28222-1678

Corn Refuge Requirements

It is important to recognize that different hybrid/trait packages may have different IRM requirements. On-farm mixing of any seed is not an approved method to comply with stewardship requirements. Before filling your planter, always check the bag tag to ensure you know the refuge size requirement.

Best Management Practices

Syngenta and other industry registrants have cooperatively developed the EPA-mandated IRM Compliance Assurance Program. This program requires corn seed companies to evaluate the extent to which growers are adhering to the IRM requirements and ensure that those who do not are brought back into compliance.

	PRODUCT	SIZE REQUIREMENT (Corn-Growing Region)	SIZE REQUIREMENT (Cotton-Growing Region)	DISTANCE REQUIREMENTS
ABOVE- AND BELOW-GROUND TRAIT STACKS	Duracade Viptera Z3	No additional refuge required	20% supplemental refuge[2]	Within or adjacent[1]
	Duracade Viptera	No additional refuge required	20% supplemental refuge[2]	Within or adjacent[1]
	Duracade	No additional refuge required	20% supplemental refuge[2]	Within or adjacent[1]
	Agrisure Total	No additional refuge required	20% supplemental refuge[2]	Within or adjacent[1]
ABOVE-GROUND TRAIT STACKS	Viptera Z3	No additional refuge required	20% supplemental refuge	Within, adjacent, or up to 1/2 mile away[1]
	Viptera	No additional refuge required	20% supplemental refuge	Within, adjacent, or up to 1/2 mile away[1]
	Agrisure Above	No additional refuge required	20% supplemental refuge	Within, adjacent, or up to 1/2 mile away[1]

Refuge size is calculated by applying the appropriate percentage (e.g., 20%, 50%) to the TOTAL CORN ACRES.

[1] Only applicable in the cotton-growing region where a supplemental 20% refuge is required for this product.

[2] Assumes a common corn borer and rootworm refuge. Alternatively, a separate rootworm refuge within or adjacent to the traited field and a corn borer refuge up to 1/2 mile away could be planted.

LIBERTY LINK® HERCULEX® I HX™ HERCULEX® XTRA HX™ YieldGard VT PRO®

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. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF. HERCULEX® and the HERCULEX Shield are trademarks of Corteva Agriscience LLC. HERCULEX Insect Protection technology by Corteva Agriscience LLC. YieldGard VT Pro® is a registered trademark used under license from the Bayer Group.

Resources

To read and understand the full stewardship requirements found in the Syngenta Stewardship Guide or receive further assistance, use the resources below.

Stewardship Information
syngentastewardship.com

Stewardship Support and IRM Tips Line
1-877-GRO-CORN
(1-877-476-2676)

Stewardship Support
syngenta.stewardship@syngenta.com

Regulatory and Market Status of Agricultural Biotechnology Products
biotradestatus.com

Take Action Education Platform
IWillTakeAction.com

Agreement Submission
Agreements@agdata.com

OUR PROGRAMS

Golden Advantage℠ is an extended terms offer with a 0% interest fee for farmers to purchase Golden Harvest seed and qualified Seedcare products. Grow with Golden Advantage in three easy steps:

Step
01

Talk to your Golden Harvest Seed Advisor

Step
02

Complete a simple online application

Step
03

Order Golden Harvest seed for 2023 planting

Visit goldenharvestseeds.com/goldenadvantage to learn more.

Corn Crop Planning

Field Name:

Hybrid:

Population:

Management Considerations:

Field Name:

Hybrid:

Population:

Management Considerations:

Soybean Crop Planning

Field Name:

Variety:

Population:

Management Considerations:

Field Name:

Variety:

Population:

Management Considerations:

Corn Crop Planning

Field Name:

Hybrid:

Population:

Management Considerations:

Field Name:

Hybrid:

Population:

Management Considerations:

Soybean Crop Planning

Field Name:

Variety:

Population:

Management Considerations:

Field Name:

Variety:

Population:

Management Considerations:

Corn Crop Planning

Field Name:

Hybrid:

Population:

Management Considerations:

Field Name:

Hybrid:

Population:

Management Considerations:

Soybean Crop Planning

Field Name:

Variety:

Population:

Management Considerations:

Field Name:

Variety:

Population:

Management Considerations:

TOGETHER, LET'S FIND SOLUTIONS

All Golden Harvest products, services and programs work best when we make them your own. Tell us about your goals, worries and the future—we want to hear it all. Our promise to listen is a commitment to collaborate when and where you need us. Just say the word.

Duracade Viptera™ | Duracade Viptera™ Z3 | Duracade™ | Agrisure Total™ | Viptera™ | Viptera™ Z3

Artesian™ | LIBERTY LINK® | HERCULEX® I Insect Protection HX™ | HERCULEX® XTRA Insect Protection HX™ | YieldGard VT PRO® | XTENDFLEX® SOYBEANS | Enlist E3® Soybeans

Product performance assumes disease presence.

All photos are either the property of Syngenta or are used with permission. Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations

 Important: Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status. AAtrex 4L, AAtrex Nine-O, Acuron, Agri-Flex, Agri-Mek 0.15EC, Agri-Mek SC, Avicta 500FS, Avicta Complete Beans 500, Avicta Complete Corn 250, Avicta Duo Corn, Avicta Duo 250 Corn, Avicta Duo COT202, Avicta Duo Cotton, Besiege, Bicep II Magnum, Bicep II Magnum FC, Bicep Lite II Magnum, Callisto Xtra, Cyclone SL 2.0, Denim, Endigo ZC, Endigo ZCX, Epi-Mek 0.15EC, Expert, Force, Force 3G, Force CS, Force 6.5G, Force Evo, Gramoxone SL, Gramoxone SL 2.0, Gramoxone SL 3.0, Karate, Karate with Zeon Technology, Lamcap, Lamcap II, Lamdec, Lexar EZ, Lumax EZ, Medal II ATZ, Minecto Pro, Proclaim, Tavium Plus VaporGrip Technology, Voliam Xpress and Warrior II with Zeon Technology are Restricted Use Pesticides.

Some seed treatment offers are separately registered products applied to the seed as a combined slurry. **Always read individual product labels and treater instructions before combining and applying component products.** Orondis Gold may be sold as a formulated premix or as a combination of separately registered products: Orondis Gold 200 and Orondis Gold B.

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. Golden Harvest® 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 trait, LibertyLink®, Roundup Ready 2 Xtend®, and XtendFlex® 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. **Under federal and local laws, only dicamba-containing herbicides registered for use on dicamba-tolerant varieties may be applied. See product labels for details and tank mix partners.** Only dicamba formulations that employ VaporGrip® Technology are approved for use with Roundup Ready 2 Xtend® and XtendFlex® soybeans. 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 MS Technologies LC. The Enlist trait and Enlist Weed Control System are technologies owned and developed by Corteva Agriscience LLC. The trademarks or service marks displayed or otherwise used herein are the property of a Syngenta Group Company. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF. HERCULEX® and the HERCULEX Shield are trademarks of Corteva Agriscience LLC. HERCULEX Insect Protection technology by Corteva Agriscience LLC. Roundup Ready 2 Xtend®, VaporGrip®, XtendFlex®, and YieldGard VT Pro® are registered trademarks used under license from the Bayer Group. Enlist® and Enlist E3® are trademarks of Corteva Agriscience LLC. STS® is a registered trademark of DuPont.

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SLC 14376A 04-2022