Golden Harvest is driven to deliver the ultimate service experience on your farm, all year round. We’ll be there to offer insights on your field conditions, listen to your needs and tailor recommendations to meet them exactly. Not just throughout the growing season, but long before planting and way beyond harvest.

Count on us to be relentless about adding value at every stage of your crop’s development, from planting to monitoring performance to evaluating results and planning for the following year.
Golden Harvest is dedicated to developing quality products that meet specific farmer needs. Your Seed Advisor will recommend products that combine locally developed genetics with the traits you need, placed to deliver in your real field conditions. All backed by a year-round service experience that yields results.

**UNIQUE GENETICS**
To help you hit your harvest numbers, Golden Harvest is continually investing in optimizing product performance and bringing you a range of local choices. Our agronomists and R&D teams work closely with your local Seed Advisor to understand the issues you face and help address them with a locally bred and tested corn and soybean lineup that combines elite genetics with the most choice in industry-leading traits. But the real proof is in the field, where our corn and soybean products yielded 55 Top 3 Finishers and 185 Top 10 Finishers in 2019 FIRST Trials.

**AGRONOMIC EXPERTISE**
Seed Advisors tap into our agronomy team’s expertise and leverage the wealth of data in our proprietary E-Luminate® digital platform to more precisely place products for maximum performance in your fields.

**TIRELESS SERVICE**
Count on your Golden Harvest® Seed Advisor for insights and local expertise that will help you make the right decisions for your crop throughout the current season and help plan for the next. Because it’s not just service; it’s a commitment to truly understanding you and your fields.

Farmers’ Independent Research of Seed Technologies (FIRST). No product recommendation by FIRST is implied. See firstseedtests.com for details.
LOCALLY PROVEN CORN WITH INDUSTRY-LEADING GENETICS

To create hybrids that deliver in your individual conditions, Golden Harvest breeds and tests our products locally. Over 1,600 local trials ensure that we know what works in your area. Our corn hybrids offer:

- Proprietary germplasm with elite genetics that are proven to perform locally
- Strong agronomics, yield potential and standability
- Premium above- and below-ground insect control with Agrisure Duracade® and Agrisure Viptera® traits
- Opportunities to add to your bottom line with Enogen® Corn or Enogen Feed Corn
- The backing of a team of whose agronomic expertise delivers optimal product placement with performance-optimizing insights throughout the season

FEATURING 32 TOP 3 FINISHERS AND 112 TOP 10 FINISHERS IN 2019 FIRST TRIALS.¹

¹Farmers’ Independent Research of Seed Technologies (FIRST). No product recommendation by FIRST is implied. See firstseedtests.com for details.

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
PROTECT YOUR CORN’S GENETIC YIELD POTENTIAL.

AGRISURE® TRAITS OFFER THE INDUSTRY’S BROADEST CHOICE OF CUTTING-EDGE TRAIT TECHNOLOGY.

**Agrisure Duracade**
- Features a unique mode of action for strong control of corn rootworm
- Protects root systems for better nutrient and water uptake, helps ensure fuller leaves for increased photosynthesis and maximum grain fill, and results in strong plants that stand all season long
- Provides a new trait rotational option for a healthier crop
- Stacked option with Agrisure Viptera® trait controls 16 damaging above- and below-ground pests, more than any competitive stack
- Delivers a 4.1 bu/A yield advantage over products without Agrisure Duracade*

**Agrisure Viptera**
- The industry’s most comprehensive, best performing, most complete above-ground insect control
- The only trait that effectively controls western bean cutworm
- Reduces risk of mold and mycotoxin development through control of ear-feeding insects
- Delivers a 7.3 bu/A yield advantage under ear-feeding insect pressure**

**Agrisure Artesian**
- Maximizes yield when it rains and increases yield when it doesn’t
- Offers multiple genes for season-long drought protection
- Optimizes plant health through elite genetics that allow plants to manage gaps in rainfall season-long and yield exceptionally well in good conditions
- Delivers nearly 12% higher yields compared to other hybrids in severe and extreme drought ²

---

*Data based on 2018 Syngenta trials
**Study results from Syngenta field trials in 33 locations
  ² Source info: Data is based on 7,613 Syngenta on-farm strip trials across the Corn Belt, 2010–2014. Syngenta defines a field environment of 10 to 12 bu/A mature, and fewer than 13 bu/A harvest.
## CORN CHARACTERISTICS

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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.

Ratings are based on interpretation of data gathered by Syngenta and/or observations across areas of adaptation and may change as additional data is gathered.

Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF Corporation.
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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-Determine
D = Determine

Husk Cover
S = Short
M = Medium
L = Long

Cob Color
R = Red
P = Pink
W = White

Drought
Agrisure Artesian water-optimized hybrid.
**CORN**

### G08D29 Artesian

**EXCELLENT STALKS AND ROOTS FOR SEASON-LONG STANDABILITY**

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

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<tr>
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**Top-end yield with sound agronomics**

- Excellent stalks and strong roots for season-long standability
- Outstanding choice for variable soils provides consistent performance
- Strong protection against Gray Leaf Spot to minimize risk

**To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com**

### G08M20 Artesian

**EXCITING COMBINATION OF HIGH YIELDS AND SOLID AGRONOMICS**

- Solid late-season stalks
- Great test weight and grain quality
- Adapted to most soil types

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**Top-end yield with sound agronomics**

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

**To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com**

### G09A86 Artesian

**TOP-END YIELD WITH SOUND AGRONOMICS**

- Excellent stalks and strong roots for season-long standability
- Outstanding choice for variable soils provides consistent performance
- Strong protection against Gray Leaf Spot to minimize risk

**Top-end yield with sound agronomics**

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

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**To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com**

### G09Y24 Artesian

**EXCITING GENETICS WITH AGRISURE ARTESIAN TECHNOLOGY**

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

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</table>

**Top-end yield with sound agronomics**

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

**To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com**

### G10D21

**NEW // RM: 110**

**TOP-END YIELDS WITH OUTSTANDING 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

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**To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com**

### G10L16 Artesian

**INDUSTRY-LEADING YIELD PERFORMANCE ACROSS ALL ACRES**

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

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**To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com**
G10T63
STRONG EMERGENCE AND EARLY VIGOR ALLOWS EARLY PLANTING
- Excellent top-end yield and broadly adapted
- Strong root
- Moderate plant stature for residue management

G11A33
MODERATE PLANT HEIGHT WITH CONSISTENT YIELDS
- Solid stalks and roots for season-long standability
- Outstanding staygreen
- Great drydown and consistent test weight

G11F16 Artesian
OUTSTANDING YIELD POTENTIAL WITH AGRISURE ARTESIAN TECHNOLOGY
- Maximizes yield when it rains; increases yield when it doesn’t
- Proven yield across multiple soil types and environments for stable performance
- Excellent root and stalk strength for ease of harvest

G11V76
VERSATILITY ACROSS SOIL TYPES COMBINED WITH STRONG DROUGHT TOLERANCE
- Moderate plant type with strong roots aids standability
- Fast drydown and good grain quality
- Dependable emergence in stressful environments

G12J11 Artesian
TOP YIELD WITH AGRISURE ARTESIAN TECHNOLOGY FOR CENTRAL AND EASTERN CORN BELT
- Maximizes yield when it rains; increases yield when it doesn’t
- Strong emergence and seedling vigor for early planting
- Proven performance

G12S75
OUTSTANDING ROOTS AND STALKS FOR SEASON-LONG STANDABILITY
- Very good staygreen and late-season intactness
- Strong disease tolerance to NCLB and GLS
- Good ear flex provides population flexibility

Rooted in Genetics, Agronomy & Service™
### G12U17
**RM: 112**

**EXCELLENT STALKS FOR SEASON-LONG STANDABILITY**

- Exceptional performance in poorly drained soils
- Outstanding late season plant health and intactness
- Excellent drydown for an early harvest option

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**G12U17-5122 E-Z Refuge Brand**

**G12U17-3120 E-Z Refuge Brand**

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### G12W66
**RM: 112**

**VERY STRONG AGRONOMIC PACKAGE PROVIDES SUPERB PERFORMANCE**

- Outstanding stalks and strong roots for late-season standability
- Excellent grain quality and test weight
- Consistent performance across all soil types

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**G12W66-3220 E-Z Refuge Brand**

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### G13H15
**RM: 113**

**BROADLY ADAPTED HYBRID FOR EXCELLENT PERFORMANCE ACROSS YIELD ENVIRONMENTS**

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

<table>
<thead>
<tr>
<th></th>
<th>Emergence</th>
<th>Root Strength</th>
<th>Stalk Strength</th>
<th>Staysgreen</th>
<th>Drydown</th>
<th>Drought</th>
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</table>

**G13H15-5122 E-Z Refuge Brand**

**G13H15-3120 E-Z Refuge Brand**

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### G13M88
**RM: 113**

**SOLID AGRONOMICS WITH YIELD PUNCH**

- Moderate plant structure with dependable stalks and roots
- Strong foliar disease package to maximize performance
- Distinguishing kernel depth with drydown

<table>
<thead>
<tr>
<th></th>
<th>Emergence</th>
<th>Root Strength</th>
<th>Stalk Strength</th>
<th>Staysgreen</th>
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**G13M88-3110 Brand**

**E113M8-5122 E-Z Refuge Brand**

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### G13Z50
**RM: 113**

**EXCELLENT EMERGENCE AND SOLID EARLY VIGOR**

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

<table>
<thead>
<tr>
<th></th>
<th>Emergence</th>
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<th>Staysgreen</th>
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**G13Z50-5222 E-Z Refuge Brand**

**G13Z50-3220 E-Z Refuge Brand**

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### G14N11
**RM: 114**

**EXCELLENT TOP-END YIELD POTENTIAL WITH BROAD ADAPTABILITY**

- Very strong emergence and vigor allow for an early plant option
- Outstanding root strength for season-long standability
- Moderate plant stature for residue management

<table>
<thead>
<tr>
<th></th>
<th>Emergence</th>
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</table>

**G14N11-5222 E-Z Refuge Brand**

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To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
### G14R38

OUTSTANDING YIELD PERFORMANCE WITH AN EXCELLENT AGRONOMIC PACKAGE

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

**Rating**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Emergence</th>
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<th>Stalk Strength</th>
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G14R38-3122 E-Z Refuge Brand  
G14R38-3120 E-Z Refuge Brand  
G14R38-GT Brand  
G14R38 Brand (Conv.)

### G15J91

OUTSTANDING ROOTS AND ABOVE-AVERAGE 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**

<table>
<thead>
<tr>
<th>Trait</th>
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<th>Stalk Strength</th>
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G15J91-3229 E-Z Refuge Brand

### G15L32

STRONG AGRONOMICS WITH STABLE YIELD PERFORMANCE

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

**Rating**

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<thead>
<tr>
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<th>Stalk Strength</th>
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G15L32-5222 E-Z Refuge Brand  
G15L32-3330 E-Z Refuge Brand  
G15L32-3000GT Brand

### G16K01

BROADLY ADAPTED PRODUCT WITH SUPERIOR YIELD POTENTIAL

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

**Rating**

<table>
<thead>
<tr>
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<th>Root Strength</th>
<th>Stalk Strength</th>
<th>Staygreen</th>
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G16K01-3111 Brand  
G16K01-GT Brand  
E116K4-3000GT Brand

### G18D87

BROADLY ADAPTED WITH A COMPLETE AGRONOMIC PACKAGE

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

**Rating**

<table>
<thead>
<tr>
<th>Trait</th>
<th>Emergence</th>
<th>Root Strength</th>
<th>Stalk Strength</th>
<th>Staygreen</th>
<th>Drydown</th>
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G18D87-3111 Brand  
G18D87-GT Brand  
E118D8-3000GT Brand
# Corn Agronomic Management

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<th>AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS</th>
<th>END-USE TRAITS</th>
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<td>Seeding Rate % Adjustment</td>
<td>Adaptation to Soil Types/ Yield Environments</td>
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<tr>
<td>G18D67</td>
<td>118</td>
<td>F</td>
</tr>
</tbody>
</table>

**Rating Scale**

1 = Best  
9 = Worst  
- = Not available

**Score Interpretation**

H = ★ Choice  
I = ★ Choice  
= Average to Slightly Below Average  
6 = Not Recommended  
- = Not available

**Drought**

Agrisure 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 Population Response Factors
This annual study aids farmers’ understanding of how yield environment, grain price, seed cost and hybrid population response influence seeding rate recommendations. Information from this study is useful in determining the optimum planting population for each hybrid and field.

Influence of Yield Environment and Commodity Price on Optimum Seeding Rate

<table>
<thead>
<tr>
<th>YIELD ENVIRONMENT (BU/A)</th>
<th>HIGHEST YIELDING SEEDING RATE (SEEDS/A)</th>
<th>OPTIMUM SEEDING RATE (SEEDS/A) BY COMMODITY PRICE ($/BU) (SEED COST = $200/80K UNIT)</th>
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<tr>
<td>120</td>
<td>29,700</td>
<td>20,900</td>
</tr>
</tbody>
</table>

General Interpretation of Hybrid Response to Management/Placement Situations and End-Use Traits
The Agronomy in Action Research program analyzes the agronomic characteristics of Golden Harvest products to aid in placement and usage in real-world farm situations. With Agronomy in Action locations positioned throughout the Corn Belt, the annual research answers the “why,” “how” and “where” questions of B management practices for our products. Uniform testing methodology ensures that research results are a reliable prediction of the response farmers will see in their fields. By conducting this annual research and compiling across multiple years, Golden Harvest provides tremendous insight into specific management tactics for each product—insight farmers can use to maximize the potential for profit on their farms. The Agronomic Management chart lists hybrid performance characteristics collected from results of these studies.

Seeding Rate % Adjustment: After determining the B corn seeding rate for your field (or zones within field) from the chart above, consider fine-tuning seeding rates with hybrid-specific response knowledge. The seeding rate adjustment chart highlights different hybrids’ ability to be planted at seeding rates greater than or less than the normal recommended rate based on the economic response from agronomic trialing. Root and Stalk strength ratings are also provided for additional knowledge of hybrid agronomic fit for planting at increased seeding rates.

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

Corn-on-Corn: Two key criteria are used to determine corn-on-corn crop rotation hybrid ratings: 1) Corn-on-corn yield retention data, calculated by comparing each hybrid’s yield in a corn-on-corn rotation versus a corn-on-soybean rotation, which was then compared to the average corn-on-corn yield retention of all hybrids tested, and 2) Hybrid agronomic characteristics; characteristics include early season vigor, root characteristics and disease tolerance.

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

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

Feed to Gain Response: Feed to gain is the average pounds of feed needed for each pound of animal gain. Lower feed to gain values are more desirable because animals consume less feed to produce the same amount of weight gain, potentially resulting in less feed input cost. The Corn Hybrid Beef Feed to Gain Ratings are provided to help farmers produce the B corn for livestock rations. These Corn Hybrid Beef Feed to Gain Ratings are supported by collecting grain samples from internal company trials, which are sent to an independent laboratory to analyze for kernel density/hardness (grams/cubic centimeter) and kernel weight per 1000 kernels. Individual hybrid ratings illustrate which hybrids provide the B feed to gain response.

“GOLDEN HARVEST LOOKS FORWARD TO WORKING WITH YOU TO BUILD ON THE LEGACY OF OUR HISTORIC BRAND. WE PROMISE TO ALWAYS PUT YOUR NEEDS FIRST, WHILE BRINGING YOU GENETICS, AGRONOMY AND SERVICE PAIRED WITH NEW SOLUTIONS LIKE E-LUMINATE AND GAME PLAN.”

Dave Young
Head, Golden Harvest Marketing
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:

- Testing soil to monitor fertility issues as a result of manure applications
- Planting population recommendations and planting timing considerations
- Harvest timing to ensure optimal moisture and higher quality silage
- How Enogen® Feed corn hybrids may increase your potential return on investment

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
CORN SILAGE HYBRID SELECTION

Silage quality and yield scores are based on actual tonnage—the silage analysis values were compared to hybrids of similar maturity.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>AGRONOMIC CHARACTERISTICS</th>
<th>DISEASE TOLERANCE</th>
<th>AGRONOMIC RESEARCH RATINGS</th>
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<tr>
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<td>Relative Maturity (RM)</td>
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</table>

NOTE: Hybrid characteristics such as staygreen and drought stress tolerance are also important to consider when selecting hybrids for silage. Digestibility ratings are based on NIR and in-vitro digestibility analysis. Milk performance estimates generated from University of Wisconsin equations. Comparisons should only be made among hybrids within a maturity group. Although actual silage yield and quality analysis of a hybrid will vary with environment, the relative ranking of a hybrid will be similar. These ratings are a relative performance guide. Conduct a laboratory test to determine actual silage quality when balancing a feed ration.

Ratings Key

**1** = Best

* 9 = Worst

- 8 = Not available

Plant Height

**1** = Tall

* 9 = Short

Ear Height

**1** = High

* 9 = Low

*NOTE: These ratings should not be used to estimate actual production per animal, but instead they should be used to determine relative overall silage quality and yield of each hybrid.


**Using This Chart**

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

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

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

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

Starch: Indicates the percent content of feed component.

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

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

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

**Milk/Ton:** An estimate of forage quality driven by starch content, starch digestibility and NDF; Milk/A combines the estimate of forage quality (Milk/Ton) and yield (Tons/A) into a single term.

**Beef/Ton:** A proprietary estimate of forage quality driven by TDN; Beef/A combines the estimate of forage quality (Beef/Ton) and yield (Tons/A) into a single term.
Added Value in Beef and Dairy

- Enogen Feed corn hybrids in livestock production has been shown to increase feed efficiency by an average of 5% in stocker and finishing cattle, according to feeding trials at the University of Nebraska-Lincoln (UNL) and Kansas State University (KSU).¹

- Enogen Feed corn hybrids improve starch utilization, resulting in more available energy for your herd.

- Enogen Feed corn hybrids may be harvested as silage, grain or high-moisture corn, allowing for greater flexibility and ease of use with minimized management needs, as compared to alternative silage-specific hybrids for beef or dairy operations.

- Farm-proven yields, equal to or better than non-Enogen Feed hybrids.²

Added Value in Ethanol Production

- Enogen corn enables farmers to produce highly desirable corn for ethanol plants.

- Enogen 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 at sale for potential increased return on investment.

**ENOGEN HYBRID CHARACTERISTICS**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>TRAIT OFFERS*</th>
<th>MATURITY INFORMATION</th>
<th>AGRONOMIC CHARACTERISTICS</th>
<th>PLANT CHARACTERISTICS</th>
<th>DISEASE TOLERANCE</th>
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<tbody>
<tr>
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<td>Relative Maturity (RM)</td>
<td>GDUs to Silk</td>
<td>GDUs to Black Layer</td>
<td>Emergence</td>
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<td>1480</td>
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</table>

**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 = Determine
- Husk Cover:
  - S = Short
  - M = Medium
  - L = Long
- Cob Color:
  - R = Red
  - Pi = Pink
  - W = White
- Drought:
  - Agrisure Artesian

**HERBICIDE TOLERANCE**

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<th>EVT TYPE</th>
<th>GLYPHOSATE</th>
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<tr>
<td>EVTL</td>
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<tr>
<td>No EVT</td>
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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**
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 rots. If conditions are severe, even hybrids rated as resistant can be adversely affected. Farmers should balance yield potential, hybrid maturity and cultural practices against the anticipated risk of disease or insect pressure.

Ratings are based on interpretation of statistically analyzed results of studies conducted by Syngenta.

**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.

Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control.

**Experience the Enogen Effect**
Scan and hear about the Enogen advantage in dairy from a university expert.
**ENOGEN**

---

**E109Y2 Artesian**

**EXCITING GENETICS WITH AGRISURE ARTESIAN TECHNOLOGY**

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

---

**E111A3**

**MODERATE PLANT HEIGHT WITH CONSISTENT YIELDS**

- Solid stalks and roots for season-long standability
- Outstanding staygreen
- Great drydown and consistent test weight

---

**E113M8**

**SOLID AGRONOMICS WITH YIELD PUNCH**

- Moderate plant structure with dependable stalks and roots
- Strong foliar disease package to maximize performance
- Distinguishing kernel depth with drydown

---

**E113Z5**

**EXCELLENT EMERGENCE AND SOLID EARLY VIGOR**

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

---

**E116K4**

**BROADLY ADAPTED PRODUCT WITH SUPERIOR YIELD POTENTIAL**

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

---

**E118D8**

**BROADLY ADAPTED WITH A COMPLETE AGRONOMIC PACKAGE**

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

---

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
**ENOGEN HYBRID AGRONOMIC MANAGEMENT**

### Product Summary

**년도**

<table>
<thead>
<tr>
<th>PRODUC</th>
<th>AGRONOMIC MANAGEMENT AND PLACEMENT TRAITS</th>
<th>END-USE TRAITS</th>
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<tr>
<td>Enogen Hybrid Series</td>
<td>Seeding Rate % Adjustment</td>
<td>Adaptation to Soil Types/Yield Environments</td>
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<td>Relative Maturity (RM)</td>
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<td>E118D6 118</td>
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**Rating Scale**

1 = Best  
9 = Worst  
- = Not available

**Score Interpretation**

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

**Drought**

Agrisure Artesian water-optimized hybrid.

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

### Corn Population Response Factors

This annual study aids farmers’ understanding of how yield environment, grain price, seed cost and hybrid population response influence seeding rate recommendations. Information from this study is useful in determining the optimum planting population for each hybrid and field.

### Influence of Yield Environment and Commodity Price on Optimum Seeding Rate

<table>
<thead>
<tr>
<th>YIELD ENVIRONMENT (BU/A)</th>
<th>HIGHEST YIELDING SEEDING RATE (SEEDS/A)</th>
<th>OPTIMUM SEEDING RATE (SEEDS/A) BY COMMODITY PRICE ($/BU)</th>
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<td>120</td>
<td>29,700</td>
<td>20,900</td>
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**General Interpretation of Hybrid Response to Management/Placement Situations and End-Use Traits**

**Seeding Rate % Adjustment:** After determining the B corn seeding rate for your field (or zones within field) from the chart above, consider fine-tuning seeding rates with hybrid specific response knowledge. The seeding rate adjustment chart highlights different hybrids ability to be planted at seeding rates greater than or less than the normal recommended rate based on the economic response from agronomic trialing. Root and stalk strength ratings are also provided for additional knowledge of hybrid agronomic fit for planting at increased seeding rates.

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

**Continuous Corn Agronomic Characteristics:** Favorable ratings in this column indicate hybrids containing multiple agronomic phenotypic traits deemed important for fields where corn is being cultivated for consecutive years. Ratings are weighted based on the following individual hybrid characteristics: yield, emergence strength, early vigor, root and stalk strength, staygreen and foliar disease tolerance.

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

**End-Use Traits:** Ratings indicate end-use suitability based on the level of each grain quality characteristic.
SOYBEANS WITH PROVEN YIELD POTENTIAL AND INDUSTRY-LEADING CHOICE WEED CONTROL OPTIONS.

Golden Harvest Soybeans are recognized for top-end yield potential with the broadest choice of trait packages. Nearly 900 local trials help ensure that we know what works in your area. Backed with locally knowledgeable Seed Advisors you can trust to select and place the right products for your conditions, our soybean varieties offer:

PROVEN PERFORMANCE
- Industry-leading genetics in locally bred and tested varieties for proven yield
- 23 Top 3 Finishers and 73 Top 10 Finishers in 2019 FIRST Trials

STRONG DEFENSIVE AGRONOMICS
- Excellent tolerance to damaging pests and diseases such as Soybean Cyst Nematode, Sudden Death Syndrome, Iron Deficiency Chlorosis and Phytophthora root rot

*Farmers’ Independent Research of Seed Technologies (FIRST). No product recommendation by FIRST is implied. See firstseedtests.com for details.

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
BROADEST CHOICE OF HERBICIDE TOLERANCE TRAITS FOR SUPERIOR WEED CONTROL.

Enlist E3® Soybeans provide yield potential and agronomics and offer superior application flexibility and tank mix options to manage resistant weeds.

Roundup Ready 2 Xtend® Soybeans deliver a full portfolio of proven yield performance with defensive trait options.

LibertyLink® GT27™ Soybeans are known for yield potential and agronomics and allow for in-season glufosinate and glyphosate applications.
## Soybean Characteristics

### Herbicide Tolerant Traits

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<tr>
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<td>E3/STS</td>
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<th>Wide Row</th>
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<th>Subspecies Color</th>
<th>Pod Color</th>
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**NOTE:** E3 product descriptions and ratings are sourced from the variety’s genetic supplier and may change as additional data are gathered.

**Herbicide Tolerant Traits**

RR2X = Roundup Ready 2 Xtend®
RR2X/STS = Roundup Ready 2 Xtend® and STS®
E3 = ENLIST E3® and STS®
E3/STS = ENLIST E3® and STS®
LL/GT27 = Liberty Link®, GT27™ and STS®
LL/GT27/STS = Liberty Link®, GT27™, and STS®

**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

**Herbicide Sensitivity**

INC = Includer
EXC = Excluder

**Adaptation to Soil Types/Yield Environments**

- Best
- Good
- Fair
- Poor
- Not available

**Plant Height**

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

**Growth Habit**

IND = Indeterminate
DET = Determinate

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
## Resistance Rating System
Indicates when a variety is resistant to a specific disease or pest. For Soybean Cyst Nematode (SCN) resistance, the nematode races the variety is resistant against are specified, when available. For Phytophthora, the gene conveying the resistance is listed.

## Phytophthora Gene Resistance
The following genes confer resistance to the listed races of Phytophthora:
- **Rps1a** = Resistant to races 1-2, 10, 11-13-18, 24, 26, 27, 31, 32, 36, 38
- **Rps1c** = Resistant to races 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29, 31-35, 39, 40, 45

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

## Soybean Cyst Nematode (SCN)
- **R** = Resistant
- **MR** = Moderately Resistant
- **S** = Susceptible

### Disease/Pest Ratings
1 = Best
9 = Worst
- = Not available

### Golden Harvest Soybean Brands
- **GH**
- **NEW**

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<thead>
<tr>
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<th>DISEASE/PEST*</th>
<th>PRODUCT</th>
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<td>% Oil @13% mst.</td>
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<td><strong>Gene Source</strong></td>
<td><strong>Race Resistances</strong></td>
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<td><strong>Gene</strong></td>
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Source: Golden Harvest Soybean Brands
SOYBEANS

GH2818E3 BRAND  RM: 2.8
HIGH-YIELDING, GO ALMOST ANYWHERE GENETICS

- Broadly adapted with flexibility to move North or South
- Brings together SDS, SCN and Sclerotinia White Mold protection
- Easy-to-manage plant type supports all row spacings

GH3042E3 BRAND  RM: 3.0
BROADLY ADAPTED, HIGH-PERFORMING PRODUCT

- Excels under higher management practices
- Proven SDS tolerance allows for early planting
- Dependable standability

GH3088X BRAND  RM: 3.0
STRONG PERFORMER WITH EXCELLENT TOP-END YIELD POTENTIAL

- Great defensive package anchored by outstanding SDS tolerance
- Solid standability in an attractive plant type
- Rps1c gene with above average field tolerance to Phytophthora Root Rot

GH3152E3S BRAND  RM: 3.1
DELIVERS THE BUSHELS AND HANDLES STRESS

- Great performance in high-yielding environments
- Maintains height, canopy, and branching under drought stress
- Outstanding emergence provides an early vegetative advantage

GH3195X BRAND  RM: 3.1
NICE COMBINATION OF OFFENSE AND DEFENSE

- Proven across varying soils; gives confidence for your farm
- Flexible across row spacing
- Versatility to take it north or south

GH3347X BRAND  RM: 3.3
NEW // RM: 3.3
HIGH-YIELDING GENETICS WITH PROVEN SDS TOLERANCE

- Performs across yield environments with exciting top-end yield potential
- Carries Frogeye Leaf Spot resistance gene
- Strong field tolerance to Phytophthora Root Rot

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
### GH3380E3 Brand

**Top-End Yield with Robust Agronomics**

- Plant type handles stress well
- Dependable Phytophthora Root Rot field tolerance
- Consistent performance across environments

<table>
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<th>Emergence</th>
<th>Standability</th>
<th>Phytophthora Field Tolerance</th>
<th>Sudden Death Syndrome</th>
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### GH3546X Brand

**Offensive and Defensive Leader**

- Great performance across yield levels
- Target fields with a history of Frogeye Leaf Spot or SDS
- Proven performance across varying soil types

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### GH3582E3 Brand

**Superior Performance Across Geographies**

- Very strong yields across multiple years
- Reliable SDS tolerance
- Exceptional Southern Stem Canker protection

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### GH3624E3 Brand

**Stable Performance Across Acres**

- Competes well in high-yielding environments
- Good choice for variable soils
- Delivers excellent Frogeye Leaf Spot protection

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“OUR SEED ADVISORS AND SALES REPS WORK THROUGHOUT THE GROWING SEASON TO LEARN YOUR GROUND AND MANAGEMENT PRACTICES. WHEN IT COMES TIME TO CREATE A CROP PLAN, GOLDEN HARVEST IS IN THE UNIQUE POSITION TO BRING SYNGENTA GENETICS AND TRAITS AND POSITION THEM WITH E-LUMINATE TO HELP YOU REACH NEW LEVELS OF PRODUCTIVITY AND PROFITABILITY.”

Andrew Lee

Head, Golden Harvest East Commercial Unit
**GH3727LG BRAND**  
**RM: 3.7**  
**IMPRESSIVE YIELDS ON ANY ACRE**  
- Strong performance across years  
- Flexible to move North or South of zone  
- Superior protection from Southern Stem Canker

**GH3728X BRAND**  
**RM: 3.7**  
**STRONG PERFORMANCE ACROSS ENVIRONMENTS**  
- Great yields North and South of zone  
- Outstanding Phytophthora with proven SDS tolerance  
- Very good heat and drought tolerance

**GH3759E3S BRAND**  
**RM: 3.7**  
**NICE COMBINATION OF OFFENSE AND DEFENSE**  
- Rps1k gene with proven Phytophthora field tolerance  
- Great performance in fine-textured, poorly drained soils  
- Flexible product with STS herbicide tolerance

**GH3918E3S BRAND**  
**NEW // RM: 3.9**  
**CONSISTENT YIELDS WITH DEPENDABLE DEFENSE**  
- Excellent tolerance to Frogeye Leaf Spot  
- Widely adapted to all soil types  
- STS tolerance for flexible placement

**GH3922E3 BRAND**  
**RM: 3.9**  
**TOP YIELDS ACROSS ENVIRONMENTS**  
- Proven tolerance to SDS and Frogeye Leaf Spot  
- Ability to handle drought stress  
- Widely adapted for easy placement

**GH3927LG BRAND**  
**RM: 3.9**  
**CONSISTENT YIELDS AT ANY YIELD LEVEL**  
- Great standability for easy harvest  
- Performs well on variable soils  
- Superb tolerance to Frogeye Leaf Spot

---

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
GH3934X BRAND  
RM: 3.9

PROVEN GENETICS DELIVER OUTSTANDING YIELD POTENTIAL AND SDS TOLERANCE

- Stable performance with top-end yield kick
- Performs well on heavy, poorly drained soils
- Top performance in all yield environments

GH3982X BRAND  
RM: 3.9

BROADLY ADAPTED WITH TOP-END YIELD PUNCH

- Stable performance across soil types
- Strongest on highly productive dryland acres or under irrigation
- Excellent choice to push north

GH4155E3 BRAND  
RM: 4.1

TOP PERFORMANCE ON THE TOUGH ACRE

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

GH4201E3 BRAND  
NEW // RM: 4.2

GREAT YIELDS WITH STRONG AGRONOMICS

- Performs well North and South of zone
- Solid tolerance to SDS
- Maintains performance across all yield levels

GH4240XS BRAND  
RM: 4.2

CONSISTENT PERFORMANCE ON ANY ACRE

- Stability with STS herbicide tolerance
- Proven tolerance to SDS and Phytophthora Root Rot
- Adapted to both dryland and irrigated acres

GH4307X BRAND  
RM: 4.3

EXCEPTIONAL YIELD POTENTIAL WITH PROVEN AGRONOMICS

- Strongest on heavy- to medium-textured soils
- Excellent performance on both dryland and irrigated acres
- Outstanding Frogeye Leaf Spot tolerance with very good SDS tolerance
**SOYBEANS**

### GH4314E3 Brand

**RM: 4.3**

**GOOD COMBINATION OF OFFENSE AND DEFENSE**

- Well suited for variable soils
- Excellent Frogeye Leaf Spot tolerance
- Performs across all soil types

### GH4474E3 Brand

**NEW // RM: 4.4**

**BROADLY ADAPTED WITH TOP-END YIELDS**

- Excellent tolerance to SDS
- Strong yields North and South of zone
- Solid Frogeye Leaf Spot tolerance

### GH4531XS Brand

**RM: 4.5**

**TOP-END YIELDS WITH THE STS HERBICIDE OPTION**

- Great choice for both dryland or irrigated acres
- Excellent choice for double-crop acres
- Moves South of zone well

### 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

### GH4627LG Brand

**NEW // RM: 4.6**

**GREAT YIELDS ACROSS ENVIRONMENTS**

- Best performance in the Mid-South
- Ability to handle tight clay soils
- Excluder gene allows for flexible placement

### GH4628X Brand

**RM: 4.6**

**EXCELLENT TOP-END YIELD POTENTIAL TO MAXIMIZE PROFIT**

- Great performance at any productivity level
- Excellent Frogeye Leaf Spot tolerance with Rps1k
- Plant type supports all row widths

---

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
**GH4823XS**

**EXCITING YIELD POTENTIAL WITH STS TOLERANCE AND EXCLUDER GENE**

- Excellent tolerance to Frogeye Leaf Spot
- Rps1c with reliable field tolerance to Phytophthora Root Rot
- Well suited for first crop or double crop planting

**GH4838E3S**

**GREAT YIELD POTENTIAL WITH STS TOLERANCE**

- Strong Frogeye Leaf Spot tolerance
- Good tolerance to SDS
- Excellent tolerance to Southern Stem Canker

**GH4877E3S**

**TALL ROBUST PRODUCT THAT YIELDS WELL ON TOUGH ACRES**

- Very good Frogeye Leaf Spot tolerance
- STS herbicide tolerance for the double crop acre
- Excels on clay soils

**GH5016E3S**

**GREAT YIELDS WITH THE INDETERMINATE GROWTH HABIT**

- STS tolerance with the ability to handle stress
- Great tolerance to Frogeye Leaf Spot
- Excellent tolerance to Southern Stem Canker

"GOLDEN HARVEST IS BUILT ON A LEGACY OF RELIABLE PERFORMANCE AND IS EXPANDING ITS STRONG SEED PORTFOLIO TO HELP FARMERS GET THE MOST YIELD OUT OF EVERY FIELD. OUR CORN HYBRIDS AND SOYBEAN VARIETIES ARE LOCALLY TESTED AND PROVEN ACROSS MULTIPLE YEARS AND ENVIRONMENTS, ENSURING STRONG AND CONSISTENT PERFORMANCE YEAR IN AND YEAR OUT."

Steve Wilkens
Golden Harvest East Agronomy Manager
HELPING CROPS REALIZE FULL POTENTIAL

Your Seed Advisor is extremely knowledgeable on the entire Syngenta crop protection portfolio and can recommend the right products for your conditions. From herbicides and fungicides to insecticides and seed treatments, these products are designed to increase plant health, improve crop yield and performance in both corn and soybeans.

GOLDEN HARVEST PREFERRED SEED TREATMENTS

Delivers customized soybean seed protection with improved disease control and handling properties:

- Contains an enhanced rate of Apron XL® seed treatment fungicide for superior protection of seed- and soilborne diseases such as Pythium and early season Phytophthora
- With unique polymers that bind active ingredients to the seed coat, the seed treatment decreases dust-off and improves seed flow through treating and planting equipment
- Powered by CruiserMaxx® Vibrance® with an option to add Saltro® fungicide seed treatment, the leading protection against Sudden Death Syndrome (SDS) and Soybean Cyst Nematode (SCN).

POWERED BY CRUISERMAXX VIBRANCE

- Delivers early season, broad-spectrum insect and disease from day one
- Delivers faster speed to canopy and more robust, vigorous plants for improved overall performance through the Cruiser® Vigor Effect
- Optimizes root health, nutrient uptake, water usage and stress tolerance for better emergence through the unique Rooting Power of Vibrance seed treatment fungicide

ENHANCED WITH SALTRO®

- 4+ bushels per acre (bu/A) yield improvement over ILEVO® under SDS pressure
- Higher intrinsic activity than older technology to protect against the cause of SDS
- Robust activity against soybean cyst, root knot, reniform, lesion and lance nematodes
- Superior protection from SDS without signs of plant stress, including phytotoxicity, stunting, reduced plant stands, susceptibility to pests or weather, and reduced plant growth above and below ground

1U.S. trials with SDS pressure; 2015-2019. Trial locations: AR, IL, IA, KS, KY, MI, MN, MO, TN, WI. Trials with significantly different disease incidence/severity rating between Check and SDS treatment. CruiserMaxx Vibrance Beans is an on-seed application of CruiserMaxx Vibrance alone or with Apron XL.

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
**Fungicides**

**Miravis® Neo**
Miravis® Neo fungicide provides plant-health benefits and long-lasting protection against corn leaf blight (NCLB), gray leaf spot (GLS), tar spot and ear rot in corn. In soybeans, this product delivers broad spectrum control of devastating diseases like brown spot and frogeye leaf spot, while also controlling white mold.

**Saltro®**
Saltro® fungicide seed treatment provides consistently superior SDS protection without the plant stress. Delivering upgraded SDS protection, robust nematode activity and less early-season stress, Saltro helps soybeans reach their full genetic yield potential.

**Insecticides**

**Force® 6.5G**
Force® 6.5G insecticide granular insecticide controls corn rootworm and other soil-dwelling insects in corn with a lower dust formulation that offers excellent application flexibility.

**Besige®**
Besige® insecticide provides long-lasting protection against lepidopteran pests along with broad-spectrum control of other damaging insects.

**Herbicides**

**Acuron®**
Acuron® corn herbicide helps unlock your corn’s full yield potential by controlling tough weeds other products miss.

**Tavium®**
Tavium® Plus VaporGrip® Technology herbicide features two sites of action for contact and long-lasting residual control of key broadleaf and grass weeds in Roundup Ready 2 Xtend® Soybeans.

**Seed Care**

**CruiserMaxx® Vibrance®**
CruiserMaxx Vibrance seed treatment provides powerful protection for corn and soybeans against early-season insects and seedborne and soilborne diseases, promoting optimal root health, stress tolerance and plant vigor for better emergence.

**Avicta® Complete Corn 500**
Avicta® Complete Corn 500 seed treatment offers triple protection against early-season nematodes, insects and disease.

**Seed Care**

**Saltro®**
Saltro® fungicide seed treatment provides consistently superior SDS protection without the plant stress. Delivering upgraded SDS protection, robust nematode activity and less early-season stress, Saltro helps soybeans reach their full genetic yield potential.
DATA INSIGHTS DRIVE INFORMED DECISION-MAKING.

Our exclusive E-Luminate® digital agronomy platform contains over 15 years of environmental and trial data. That powerhouse of information enables your Golden Harvest Seed Advisor to more precisely place products for maximum performance and gain insights that inform next year’s crop plan. Its capabilities include:

**GaMePLaN**
- Final field x field plan
- Rate assignments
- Proposals
- Customized product information

**RangeFinder**
- Variable rate scripts
- Auto-generated based on Golden Harvest trialing
- RangeFinder Population testing blocks

**E-Luminate Mobile**
- Disease-fungicide application
- Pollination timing
- Start yield expectations
- In-field Decision Hub

**Decision Hub**
- Weather data
- Predictive analytics
- Seasonal review
- Monitor data importation—yield, as applied

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
UNDERSTANDING THE AGRISURE TRAITS PORTFOLIO.

To help farmers understand the competitive advantage of Agrisure traits, a streamlined naming system was developed. The naming system creates consistency for delivery of new technology and trait-stacking opportunities.

On each seed bag tag, farmers will see four numbers. How it works:

<table>
<thead>
<tr>
<th>MASTER BRAND</th>
<th>SUFFIX</th>
<th>TECH SERIES</th>
<th>TRAITS</th>
<th>ARTESIAN HYBRID</th>
<th>INTEGRATED, SINGLE BAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agrisure</td>
<td>Duracade</td>
<td>5</td>
<td>2 2 2 2</td>
<td>A</td>
<td>E-Z Refuge</td>
</tr>
<tr>
<td>Agrisure</td>
<td>Viptera</td>
<td>3</td>
<td>2 2 0</td>
<td></td>
<td>E-Z Refuge</td>
</tr>
</tbody>
</table>

- The master brand.
- The brand suffix changes as new technologies are introduced.
- The technology series is indicated by the first number.
- The numerical identifiers represent the number of insect control modes of action. Note: Insect categories are in alphabetical order.
- The letter A indicates the hybrid is a water-optimized Agrisure Artesian hybrid.
- The E-Z Refuge descriptor indicates that the hybrid is an integrated, single-bag refuge product.

Note: The naming system does not apply to Agrisure 3000GT.
EXCITING GENETICS WITH AGRISURE ARTESIAN TECHNOLOGY
▪ Maximizes yield when it rains; increases yield when it doesn’t
▪ Population flexibility across all environments
▪ Top-end yield potential with stability when conditions are tough

Drought Season-long Protection
Drydown Staygreen Stalk Strength Root Strength Emergence

INDUSTRY-LEADING YIELD PERFORMANCE ACROSS ALL ACRES
▪ Leading drought tolerance powered by Agrisure Artesian Technology
▪ Moderate plant structure for residue management
▪ Excellent drydown for an early harvest option

RM: Specific relative maturity for this hybrid series.

Herbicide tolerance and other traits

To order, contact your local Seed Advisor or call 1-800-944-7333 or visit GoldenHarvestSeeds.com
PROTECT AND PRESERVE.

A STRONG STEWARDSHIP PROGRAM IS ESSENTIAL FOR PROTECTING AND PRESERVING THE LONG-TERM VALUE OF INSECT-PROTECTED TRAIT TECHNOLOGY.

Golden Harvest provides responsible agriculture programs and information regarding the safe handling and storage of product.

STEWARDSHIP REQUIREMENTS
Read and understand the stewardship requirements found in the Syngenta Stewardship Guide, including applicable refuge requirements when planting insect-protected traits as set forth in the Syngenta Seeds, LLC Stewardship Agreement that you sign. To sign an agreement or view recommended planting configurations, please visit SyngentaStewardship.com or contact the Stewardship team: 1-877-476-2676. In addition, Enogen corn must be grown as an identity preserved crop in compliance with the Enogen stewardship program. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.

BEST MANAGEMENT PRACTICES
The agricultural industry has learned that, in addition to planting a refuge, a sound Integrated Pest Management (IPM) strategy is needed to prevent Corn Rootworm (CRW) resistance. For more information on how you can implement Best Management Practices (BMPs) on your farm, including crop and trait rotation, refer to the industry CRW BMPs found on the NCGA website at NCGA.com/CornRootworm or SyngentaStewardship.com.

CORN REFUGE REQUIREMENTS
It is important to recognize that different hybrid/trait packages may have different Insect Resistance Management (IRM) requirements. On-farm mixing of any seed is not an approved method to comply with stewardship requirements.

<table>
<thead>
<tr>
<th>TRAIT STACK*</th>
<th>MINIMUM REFUGE REQUIREMENT CORN-GROWING REGION</th>
<th>MINIMUM REFUGE REQUIREMENT COTTON-GROWING REGION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agrisure3000GT</td>
<td>20%</td>
<td>50%</td>
</tr>
<tr>
<td>AgrisureArtesian®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgrisureViptera®</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>AgrisureViptera®</td>
<td>20% supplemental refuge</td>
<td></td>
</tr>
<tr>
<td>Agrisure3120 Artesian®</td>
<td>E-Z Refuge—no additional refuge required</td>
<td></td>
</tr>
<tr>
<td>Agrisure3122 Artesian®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgrisureDuracade®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AgrisureDuracade®</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Refuge size is calculated by applying the appropriate percentage (e.g., 20%, 50%) to the TOTAL CORN ACRES. Calculator available to help farmers plan how to meet the minimum refuge requirements for each Bt corn product on their farm. Download at www.irmcalculator.com

*These products may be offered as Agrisure Artesian® corn hybrids, which convert water to grain more efficiently. Artesian® corn hybrids are designated by an ‘A’ at the end of the trait stack name.

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.

Syngenta hereby disclaims any liability to Third Party websites referenced herein.

GRAIN MARKETING
Farmers are encouraged to consult the Bio Trade Status website for the approval status of commercially available hybrids: BioTradeStatus.com. Talk to your grain handler prior to delivering crop so that it can be handled and marketed appropriately. Please contact your local seed representative with any questions.
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:
TAP INTO OUR TEAM’S EXPERTISE.

The Golden Harvest agronomy team compiled over 30 research studies into the Agronomy In Action 2020 Research Review to help you navigate the upcoming growing season.

Get your copy at goldenharvestseeds.com/p/agronomy-guide/

Product performance assumes disease presence.


Some seed treatment offers are separately registered products applied to the seed as a combined slurry. Always read individual product labels and treat instructions before combining and applying component products. 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. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF. GT27™ is a trademark of M.S. Technologies and BASF. HERCULEX® and the HERCULEX Shield are trademarks of Dow AgroSciences, LLC. HERCULEX Insect Protection technology by Dow AgroSciences. 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. Golden Harvest® and NK® Soybean varieties are protected under granted or pending U.S. variety patents and other intellectual property rights, regardless of the trait(s) within the seed. The Roundup Ready 2 Yield® and Roundup Ready 2 Xtend® traits may be protected under numerous United States patents. It is unlawful to save soybeans containing these protected traits for planting or transfer to others for use as a planting seed. Only dicamba formulations that employ VaporGrip® Technology are approved for use with Roundup Ready 2 Xtend® soybeans. Only 2,4-D choline formulations with Colex-D® Technology are approved for use with Enlist E3® soybeans. Roundup Ready 2 Yield®, Roundup Ready 2 Xtend®, and VaporGrip® and YieldGard VT Pro® are trademarks of, and used under license from, Monsanto Technology LLC. ENLIST E3® soybean technology is jointly developed with Dow Agrosciences LLC. ENLIST® and ENLIST E3® are trademarks of Dow AgroSciences LLC. STS® is a registered trademark of DuPont. The trademarks or service marks displayed or otherwise used herein are the property of a Syngenta Group Company. All other trademarks are the property of their respective owners. More information about Agrisure Duracade® is available at http://www.biotradestatus.com/

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