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An organization is made up of its members. Those members have different roles and responsibilities within the institution. All are important to the success of the group as a whole, as well as each individual. So who makes up Great Heart Seed, and why is it important?

Often we think of the salespeople who represent the products. Whether it’s the district sales managers, the dealer or the distributors, these people learn the seed well and how to place it on your farm for best results. Perhaps those involved in the genetics and selection of new products come to mind—the breeders and test plot cooperating farmers. Trait providers belong in our membership, as that fuels a lot of the seed we sell.

The importance of those who produce the seed in the bag cannot be overlooked. This encompasses many people, from the farmers who grow the parent seed, to the scouts, to the ones running the cleaners and baggers. It includes those who make certain that the quality we need is achieved. And what of those who get the seed where it’s needed on time? The drivers, warehouse workers and those who orchestrate countless loads of multiple varieties and container types are certainly members of this group.

You also need those who keep track of the accounts, payments, financing and costs. People who plan for the future and are willing to adopt better ways to succeed. Those who understand that we must all profit for the group to be sustainable.

Let us remember that our farmers—our customers—are a huge part of who Great Heart is. These members are the people who ultimately steer where we are going. They work in partnership, helping the rest of us be better for them, so they may succeed. Every part of what we do is for their success; that is the only way our group succeeds.

Great Heart is each of us, and when it is at its best, it is all of us working together.
### HT-5509
- Very adaptable to various environments
- Strong disease package includes Goss and Gray Leaf
- Great standability season-long
- Very good ear flex
- Durable under drought

### HT-6524
- A go-anywhere hybrid
- Very good disease package
- Very fast drydown
- Massive yield potential
- Good ear flex through girth

### HT-7123
- Great versatility in a well-adapted hybrid
- Consistent performer with top end potential
- Handles stress & stands well late
- Go anywhere, low maintenance hybrid
- Can be pushed for 300+ yields

### HT-5831
- Versatile short season hybrid
- True flex ear thrives at a wide range of populations
- Great option for silage or grain crop
- Maintains top end capability with drought tolerance
- Excellent dry down

### HT-5966
- High top end yields
- Can be used for grain or silage
- Quick drydown
- Very good grain quality
- Large plant type increases silage yield
- Good standability late into the season

### HT-6210
- Tall, dual purpose plant
- Strong early vigor
- Very eye-appealing all summer
- Good choice for a no-till hybrid
- High quality grain

### HT-6843
- High yielding, dependable hybrid
- Good dry down
- Semi-flex ear is good at varying populations
- Good standability & root strength through the entire growing season
- Forgiving hybrid that you want on your farm

### HT-6930
- Most usable 109-day corn
- Plants look pretty all season long
- Handles drought well
- Provides excellent standability
- Consistent and girthy ears
- Offers fast dry down

### HT-7003
- Top yielder for 110 day hybrids
- Performs even under moderate stress
- Early harvest hybrid that will set the bar high
- Great protection against blights and Goss’ Wilt
- Responds well to higher management

### HT-7026
- Absolute top yielding hybrid
- The test weight and grain quality may gain food grade premiums
- Can handle wet feet as well as dry soils
- Provides flexible ears
- Tall, durable plant
- Ultimately a great choice for both high and low management environments

### HT-7134
- 300+ yield potential
- Handles stress very well
- Performs well in drought-like conditions
- Very adaptable to surroundings
- Consistently puts an ear on every stalk
- In the end, this hybrid performs like a racehorse but can push through many tough conditions

### HT-7238
- Great choice for droughty ground
- Keeps the ear up even in light soils
- Maintains healthy roots and stalks all season long
- Flexible ear allows for population adjustments
- Has a high top end

### HT-7240
- Very adaptable hybrid that yields from I-80 to Mexico and from coast to coast
- Has record-setting yield capabilities
- Fantastic go-anywhere performance hybrid
- Able to handle droughts well
- Plants look very appealing clear through harvest

### HT-7256
- Huge top end yield potential
- Great test weights with good dry down
- Takes advantage of prime growing conditions & has the agronomics to win the entire farm
- Yields from Great Lakes to Gulf of Mexico
- Possible food grade premiums
HT-7257
- Very strong lodging resistance
- Heavy test weights
- Good silage producer
- Plant emerges quickly and handles stress well
- Very forgiving hybrid that will yield well across different soils and management practices
- Very solid disease package

HT-7261
- Very good-looking hybrid with high yield capabilities
- Roots and stalks are very strong and provide stout standability
- Performs well in lighter soils and down towards the Delta
- Provides heavy test weight
- Has complete disease package

HT-7302
- A favorite among many regions ranging from I-80 to the Gulf
- Strong emergence with good root and stalk strength
- Heavy test weight
- Excellent vigor
- Record setting yield potential
- Potential elevator premium

HT-7342
- Moderate plant size
- Works in black ground all the way to sandy ground
- Establishes a stand quickly
- Can handle stress well
- Looks very good throughout growing season

HT-7381
- One of our highest top-end yield potential hybrids
- Very versatile with extreme consistency across different soils
- Strong and uniform plants
- Produces food grade quality grain with heavy test weight
- Perhaps one of our best overall hybrids

HT-7516
- Very high top-end yield potential
- Handles many soils
- Great test weights and grain quality
- Taller rugged plant type
- Big producer for grain and silage
- Works from I-80 to the Gulf

HT-7564
- Handles heat and drought stress very well
- Very high yield numbers
- Quick emergence
- Extremely adaptable & versatile
- Strong agronomics
- A very forgiving hybrid

HT-7425
- A true racehorse/workhorse hybrid
- Good overall disease package
- Strong standability throughout the season
- Unique genetics allow it to match up well with many of our other hybrids
- Can be used for grain or silage
- Contains the DroughtGard gene for added stress protection

HT-7486
- Perhaps the highest yielding hybrid of our lineup
- Responds best in high yielding environments
- Grows quickly but resists green snap
- Big plant that looks very pretty through the season
- Dries well for the maturity
- Overall a great choice for someone looking to push their yields to the max

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 Ignite® herbicide for optimum yield and excellent weed control.

Bayer CropScience LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. LibertyLink and the Water Droplet Design are registered trademarks of Bayer. For additional product information call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.BayerCropScience.us
## Trait Availability

<table>
<thead>
<tr>
<th>HYBRID</th>
<th>GROWTH REGULATOR</th>
<th>PIGMENT INHIBITOR</th>
<th>SULFONYLUREA</th>
<th>CONVENTIONAL</th>
<th>VtDoublePRO</th>
<th>DroughtGard</th>
<th>SmartStax</th>
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* = Acceptable, ▲ = Warning, ★ = Stop, ✔ = Yes

The below information applies only to the corn growing areas.

### Liberty Link Agrisure 3000GT

- **% REFUGE**: 20% non-Bt corn (common refuge plan only)
- **CONFIGURATIONS**: Block, Split Planter, Adjacent Field
- **STRIPS**: Split Planter - minimum of 4 consecutive rows

- **DroughtGard**: 5% non-Bt corn
- **VtDoublePRO**: Included in the bag
- **SmartStax**: Included in the bag
- **Agrisure Viptera**: Included in the bag

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4 GREAT HEART SEED | SEED GUIDE 2020
## PERFORMANCE

| HYBRID | DAYS | GROWING DEGREE UNITS | POPULATION | VIGOR | NO-TILL | DROUGHT | HEALTH | LODGING | DRY DOWN | EAR TYPE | HIGH POP | LOW POP | PLANT HEIGHT | EAR HEIGHT | GRAIN QUALITY | CORN ON CORN |
|--------|------|----------------------|------------|-------|---------|---------|--------|---------|----------|----------|----------|---------|---------|-------------|------------|--------------|-------------|
| HT-5509 | 95   | 2330                 | 29-35M     | 7     | 8       | 8       | 8      | 8       | 7        | Flex Length | 8        | 8       | MT       | M          | 7          | 9          |
| HT-5831 | 98   | 2400                 | 27-36M     | 8     | 8       | 8       | 6      | 8       | 8        | Flex       | 8        | 9       | MT       | M          | 9          | 6          |
| HT-5866 | 99   | 2410                 | 29-33M     | 8     | 7       | 7       | 6      | 7       | 8        | Semi-Flex  | 7        | 8       | T        | MH         | 8          | 7          |
| HT-6210 | 102  | 2460                 | 30-35M     | 8     | 8       | 7       | 7      | 9       | 7        | Semi-Flex  | 8        | 8       | T        | M          | 8          | 8          |
| HT-6341 | 103  | 2475                 | 29-34M     | 8     | 8       | 8       | 7      | 8       | 9        | Flex-Ear   | 7        | 8       | MT       | M          | 8          | 8          |
| HT-6524 | 105  | 2525                 | 29-35M     | 7     | 7       | 8       | 8      | 8       | 8        | Flex Girth | 8        | 8       | MT       | M          | 7          | 8          |
| HT-6843 | 108  | 2650                 | 29-35M     | 7     | 7       | 7       | 7      | 8       | 8        | Semi-Flex  | 8        | 8       | MT       | MH         | 7          | 7          |
| HT-6930 | 109  | 2700                 | 30-36M     | 7     | 7       | 8       | 7      | 9       | 7        | Flex-Girth | 9        | 6       | M        | M          | 8          | 8          |
| HT-7003 | 110  | 2700                 | 30-35M     | 7     | 7       | 7       | 7      | 7       | 7        | Semi-Determinate | 8    | 7       | M        | M          | 7          | 6          |
| HT-7026 | 110  | 2750                 | 29-36M     | 8     | 8       | 7       | 8      | 8       | 7        | Semi-Flex  | 8        | 8       | MT       | M          | 9          | 7          |
| HT-7123 | 111  | 2725                 | 29-35M     | 7     | 8       | 8       | 7      | 8       | 7        | Semi-Flex  | 8        | 8       | MT       | M          | 8          | 9          |
| HT-7134 | 111  | 2780                 | 30-36M     | 7     | 7       | 8       | 7      | 8       | 7        | Semi-Determinate | 9    | 6       | M        | M          | 7          | 8          |
| HT-7238 | 112  | 2800                 | 29-34M     | 8     | 7       | 9       | 7      | 7       | 7        | Semi-Determinate | 8    | 8       | T        | H          | 6          | 8          |
| HT-7280 | 112  | 2870                 | 28-36M     | 7     | 8       | 8       | 7      | 7       | 7        | Semi-Flex  | 9        | 8       | MT       | M          | 9          | 8          |
| HT-7256 | 112  | 2750                 | 29-34M     | 7     | 7       | 7       | 7      | 8       | 7        | Semi-Flex  | 8        | 8       | M        | M          | 8          | 5          |
| HT-7257 | 112  | 2790                 | 29-35M     | 8     | 8       | 8       | 8      | 8       | 8        | Semi-Flex  | 8        | 8       | MT       | MH         | 8          | 8          |
| HT-7261 | 112  | 2800                 | 28-34M     | 6     | 7       | 8       | 7      | 8       | 7        | Flex-Ear   | 8        | 8       | M        | ML         | 9          | 7          |
| HT-7302 | 113  | 2830                 | 29-36M     | 9     | 8       | 8       | 7      | 8       | 8        | Semi-Flex  | 8        | 8       | M        | M          | 9          | 7          |
| HT-7342 | 113  | 2830                 | 30-35M     | 8     | 7       | 8       | 7      | 7       | 7        | Semi-Flex  | 8        | 8       | M        | M          | 8          | 8          |
| HT-7381 | 113  | 2805                 | 29-36M     | 7     | 8       | 8       | 8      | 8       | 8        | Semi-Determinate | 8    | 7       | M        | M          | 9          | 7          |
| HT-7393 | 113  | 2850                 | 31-36M     | 7     | 7       | 7       | 6      | 8       | 7        | Flex-Ear   | 8        | 8       | M        | M          | 7          | 7          |
| HT-7425 | 114  | 2860                 | 29-35M     | 7     | 8       | 8       | 7      | 8       | 8        | Semi-Determinate | 9    | 7       | MT       | M          | 7          | 5          |
| HT-7486 | 114  | 2860                 | 30-35M     | 8     | 8       | 8       | 7      | 8       | 8        | Semi-Determinate | 9    | 7       | MT       | M          | 7          | 7          |
| HT-7516 | 115  | 2890                 | 28-34M     | 7     | 7       | 7       | 7      | 7       | 7        | Semi-Determinate | 8    | 7       | T        | MH         | 9          | 7          |
| HT-7564 | 115  | 2995                 | 28-35M     | 8     | 8       | 8       | 8      | 9       | 7        | Flex       | 8        | 9       | MT       | M          | 8          | 8          |
| HT-7676 | 116  | 2915                 | 28-36M     | 8     | 8       | 8       | 8      | 9       | 7        | Semi-Flex  | 9        | 8       | MT       | MH         | 9          | 9          |

**SCALE:** 9 = Best, 1 = Poor  
**PLANT HEIGHTS:** T = Tall, MT = Medium Tall, M = Medium, MS = Medium Short, S = Short  
**EAR HEIGHTS:** H = High, MH = Medium High, M = Medium, ML = Medium Low, L = Low  
**PREFERRED SOIL TYPE:** LP = Low Productivity, MP = Medium Productivity, HP = High Productivity  
The ratings in this chart reflect the differences between our superior hybrids only. It is designed to help you place your Great Heart hybrids as accurately as possible. For ratings on our hybrids as compared to other companies, please contact your representative.
GT-2612X  MID II
- Super agronomic package for the area
- Extra yield potential
- Good height and strong standability
- Can go in any soil
- Good choice for early planting

GT-2813X  LATE II
- Durable plant with consistently high yields
- Excellent choice for early planted beans
- Good plant height and standability with wide canopy for tougher soils
- Brown stem rot resistance
- Great agronomic package to maximize profit on tougher soils

GT-3360XS  EARLY III
- Large plant with extreme yield potential
- Emerges quickly and fills rows
- Will yield through mild stress
- Great disease package for maturity
- Can bring great yields to good soils

GT-3580X  MID III
- Most adaptable of its maturity to different environments
- High yielding
- Full plant type with great stand
- Offers solid disease package
- Covers a wide geography

GT-3711XS  MID-LATE III
- Strong vigor for a great start
- Tough under stress
- Record setting yield capacity
- Diversified genetics for risk management
- This variety is a great choice for high yields and will perform regardless of surrounding conditions

GT-3900X  LATE III
- High yielding, go anywhere bean
- Strong emergence makes this variety a great choice for no till
- Multi-year data shows great consistency to maintain profitability
- Covers a wide geography and many soil types
- Is an excluder for salt

GT-4255XS  EARLY IV
- Overall great variety that every farmer wants in their lineup
- True workhorse variety that will perform from the Midwest to the Delta
- Very adaptable bean that has strong yield potential in good growing conditions
- Rapid emergence with a strong disease package
- Excellent choice for fields with varying soil conditions

GT-4540XS  MID IV
- Very versatile throughout the southern Midwest, Delta, and East Coast
- Fantastic top end yield
- Handles many different stresses
- Wide body plant design
- An excellent choice for a variety with stacked herbicide tolerance

GT-4616X  MID IV
- Solid top end variety in the Delta
- Large plant that maintains good standability in tough clays
- Offers an excellent disease package
- Maintains high yield potential with a unique genetic package
- Excellent choice for early planting to chase big yields

GT-4677XS  MID IV
- Rare agronomic package that brings yield to clays and loams alike
- Excellent emergence, standability, and canopy
- Versatile yield winner with great top end potential
- Full resistance to Stem Canker and a 9 rating on SDS
- Excluder for salt issues

GT-4764XS  MID-LATE IV
- Yields through stress and variability
- Adapted for clay or loams and will perform on both
- Takes on wet soils better than most varieties
- Doesn’t need higher populations or pampering, this bean will handle adverse conditions
- Excellent for Stem Canker

GT-4802X  LATE IV
- Big yielder with a unique set of genetics
- Good standability and branching offers top end yield potential with stress tolerance
- Performs well on most soils
- Good resistance to Frogeye and Stem Canker
- Can be pushed for top yields and will respond

GT-4833XS  MID-LATE IV
- Designed for high yields on Delta clays
- Stem Canker resistance
- Good variety for tough emergence conditions
- Because of it’s unique genetic makeup, it’s a great companion with other Great Heart lines
- Good choice for Frogeye
GT-4979X  LATE IV
• Over all top yielder
• Very strong disease package
• Handles a wide range of soil types throughout the Mid-South, East Coast and Delta
• Excellent choice for many diseases today
• An easy variety to place anywhere on the farm

NEW!

GT-5214X  EARLY V
• Versatile indeterminate bean that handles inconsistent conditions
• Excellent protection vs Stem Canker and Root Knot as well as Frogeye and SDS
• Puts up big yields across varying soils
• Gets out of the ground quickly and stands well
•Dicamba resistance makes this a true go-anywhere variety

GT-5324X  EARLY-MID V
• Very strong variety in the Delta and East Coast
• Beautiful variety in the summer and through harvest
• Very good emergence
• Carries a very complete disease package
• This variety will handle many tough issues

NEW!

GT-5528X  MID V
• Superior disease package
• Excluder for salt
• Consistently strong yielding
• Protects its yield against many threats
• A versatile determinate bean

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>MATURITY</th>
<th>DRILL ADAPTED</th>
<th>EMERGENCE SCORE</th>
<th>STANDABILITY</th>
<th>PHYTOPHTORA RESISTANCE</th>
<th>SCN RESISTANCE</th>
<th>SDS TOLERANCE</th>
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<th>WHITE MILD</th>
<th>CHARCOAL ROT</th>
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SCALE: 9 = Best, 1 = Poor
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PHYTOPHTORA RESISTANCE: Shows specific gene resistance or S = Susceptible
SCN RESISTANCE: Shows races of cyst resistance, M = Moderate resistance, S = Susceptible
PUBESCENCE COLOR: T = Tawny, G = Gray
FLOWER COLOR: P = Purple, W = White
PREFERRED SOIL TYPE: LP = Low Productivity, MP = Medium Productivity, HP = High Productivity
### GT-296C LATE II
- Consistently strong performer
- Very versatile variety / adapts well to various soil types
- Very good disease package
- Excellent emergence
- Rugged plant type helps under stress
- Varying soil adaptability

<table>
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<th>VARIETY</th>
<th>MATURITY</th>
<th>DRILL ADAPTED</th>
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<th>CANOPY TYPE</th>
<th>PLANT HEIGHT</th>
<th>STANDABILITY</th>
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### GT-491C60 LATE IV
- Unique disease package with resistance to Frogeye, Root Knot, and Reniform Nematodes
- Plant size allows for wide or narrow rows
- Adaptable to many soils
- Impressive results under difficult conditions

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**GT-2639E** MID II

- Great yield potential with built in protection
- Peking Cyst resistance and great IDC scores
- Phytophthora tolerance
- Strong emergence and doesn’t slow down mid-season
- Great choice for a group II bean that earns its keep on your farm

**GT-3331E** EARLY III

- Tall, wide plant with great yield potential
- Rapid emergence, gets off to a strong start
- Fantastic phytophthora protection
- Very good against Brown Stem Rot and SDS

**GT-3688E** MID II

- Very high yield potential in a variety that covers a wide region
- Taller plant helps with complete canopy and keeps bottom pods off the ground
- Maintains standability even through stress
- Adapts to many different soils and still yields
- Excellent disease package

**GT-3730E** MID-LATE III

- Top end yield potential with consistency
- Broad disease package
- Excellent emergence and wide canopy
- Handles saturated soils better than other varieties
- Great choice for no till

**GT-4239E** EARLY IV

- Yields in Midwest and Mid-South
- Establishes a stand in difficult conditions
- Rapid emergence
- Stem Canker resistance
- Yield leader in maturity group

**GT-4418E** EARLY-MID IV

- Very adaptable variety that always produces
- Great choice for serious weed pressure
- Resistant to Stem Canker
- Carries top end yield potential
- Handles soil variation well

**GT-4645E** MID IV

- Consistent yielder especially in the south
- Can work further north as well
- Great standability in loamy soils
- Establishes a stand rapidly
- Performs well through SDS and Frogeye

**GT-4788E** MID-LATE IV

- Impressive yield in southern soils
- Tall plant that stands well
- Stem Canker and Frogeye resistance improves consistency
- Adapted to multiple soils
- Can be taken out west and will perform

### Variety Table

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**Preferred Soil Type:** LP = Low Productivity, MP = Medium Productivity, HP = High Productivity
SOYBEANS

GT-268CLL  MID II
- A high yielder with great defense
- Super disease package for its area of adaptation
- Fast emergence and quick canopy
- Large plant type
- Works on all soil types

GT-365CLL  MID III
- Outstanding agronomic and disease package
- Outstanding top end yield punch
- This is a solid test plot leader
- The EVERYTHING bean!

GT-3885LLGT  LATE III
- Outstanding yield potential
- Wide plant that completely canopies the rows
- Great choice for heat and drought stress conditions
- Stem Canker resistant

GT-329CLL  EARLY III
- Dominates early group 3 beans and runs right with those in mid-III’s
- Very good disease package
- Grows quickly and aggressively
- Strong standability
- Can handle stress but responds best to high fertility soils

GT-3667LLGT  MID III
- Well adapted with high yield capability
- Large plant that can put on a lot of pods
- Strong phytophthora field tolerance
- Can handle some stress and soil variability

GT-386CLL  LATE III
- Very versatile and consistent variety that can be planted anywhere
- Large, rugged plant
- High top end
- Can handle multiple row widths and populations

GT-388CLL  LATE III
- Wide plant that completely canopies the rows
- Great choice for heat and drought stress conditions
- Stem Canker resistant

GT-3885LLGT  EARLY IV
- Very versatile and consistent variety that can be planted anywhere
- Large, rugged plant
- High top end
- Can handle multiple row widths and populations

GT-4012LLGT  EARLY IV
- Strong yielding variety with incredible disease package
- Excellent Frogeye protection and full resistance to Stem Canker
- Performs in the Midwest and into the south
- Has the standability and size to go on different soil types
- Very good SDS tolerance

OUT HERE, WEEDS DON’T STAND A CHANCE.
Because I’ve got MY WEED CONTROL—UNDER CONTROL.
THIS IS MY FIELD.
<table>
<thead>
<tr>
<th>VARIETY</th>
<th>MATURITY</th>
<th>DRILL ADAPTED</th>
<th>EMERGENCE SCORE</th>
<th>CANOPY TYPE</th>
<th>PLANT HEIGHT</th>
<th>STANDABILITY</th>
<th>PHYTOPHTHORA RESISTANCE</th>
<th>MRY1</th>
<th>SCN RESISTANCE</th>
<th>BROWN STEM ROT</th>
<th>WHITE MOLD</th>
<th>CHARcoal ROT</th>
<th>FROGEYE</th>
<th>STEM/CANKER</th>
<th>ROOT KNOT</th>
<th>SALT</th>
<th>PUBESCENCE COLOR</th>
<th>FLOWER COLOR</th>
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<td>P</td>
<td>M</td>
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</tbody>
</table>

**SCALE:** 9 = Best, 1 = Poor  
**CANOPY TYPE:** B = Bushy, M = Medium Bush, S = Straight Line  
**PHYTOPHTHORA RESISTANCE:** Shows specific gene resistance or S = Susceptible  
**SCN RESISTANCE:** Shows races of cyst resistance, M = Moderate resistance, S = Susceptible  
**PUBESCENCE COLOR:** T = Tawny, G = Gray  
**FLOWER COLOR:** P = Purple, W = White  
**PREFERRED SOIL TYPE:** LP = Low Productivity, MP = Medium Productivity, HP = High Productivity
## Wheat

### GHT-906
Strong on defense but has yield too, Type I & II head scab resistance!
- Very early harvest date
- Head scab resistance reduces initial infection and slows any spread of infection
- Very complete disease package
- Excellent on stripe rust
- Excellent on lodging
- Smooth head
- And still has yield

**Recommended Population:** 1.8 million/135#  
**Recommended Nitrogen:** High to very high*

### GHT-939
Super versatility and yield with head scab resistance.
- A no-holes variety
- Consistently top yielding line
- Head scab resistance reduces spread of infection
- Hessian Fly resistant
- Very strong standability
- Handles wet soils better than most varieties

**Recommended Population:** 1.7 million/125#  
**Recommended Nitrogen:** High to very high*

### GHT-940
Slam dunk variety! Top yields with a great defensive package.
- Huge yield potential
- Excellent standability
- Excellent winter hardiness
- Excellent test weights
- Handles different soil types very well
- Very good scab tolerance

**Recommended Population:** 1.7 Million/125#  
**Recommended Nitrogen:** Medium to very high*

### GHT-946
Does all things well and yields even better.
- Yield leader!
- Very heavy test weights
- Head scab resistance
- Very good straw production
- Great disease package

**Recommended Population:** 1.600,000/120#  
**Recommended Nitrogen:** High to very high*

---

**NEW!**

**RATINGS:** EX = Excellent, VG = Very Good, G = Good, F = Fair, P = Poor  
**SCAB RESISTANCE:** Type resistance, S = Susceptible

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>MATURITY</th>
<th>BEARDED</th>
<th>HEIGHT</th>
<th>TEST WEIGHT</th>
<th>WINTER HARDINESS</th>
<th>Lodging</th>
<th>LEAF RUST</th>
<th>STEM RUST</th>
<th>POWDERY MILDEW</th>
<th>SEPTORIA</th>
<th>SCAB RESISTANCE</th>
<th>SCAB TOLERANCE</th>
<th>SOIL BORNE MOSAIC VIRUS</th>
<th>BARLEY YELLOW DWARF</th>
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* Very high nitrogen levels should use split spring applications.
High productivity and excellent return on investment make Ultimate alfalfa a must have on any forage farm. Fast regrowth and excellent tonnage will put this line of alfalfa on the shortlist of the most highly productive alfalfas on the market. Agronomic improvements from our Platinum line make this a product that farmers can rely on for years to come.

**PERFORMANCE**
Ultimate alfalfa is at the front of the pack in tests on multiple soils, and offers high tonnage, highly digestible forage for silage or baling. In the hay business, every penny counts, and Ultimate alfalfa delivers the quality that you and your animals demand, providing the performance that you need.

**SURVIVABILITY**
Great Heart’s Ultimate alfalfa line offers superior survivability to anything else on the market. With an impeccable disease package, fall dormancy 4, and a 6-year life expectancy, Ultimate alfalfa has the agronomics to stand where other alfalfas fall short. On top of an outstanding disease package, Ultimate also offers resistance to Pea Aphids and Blue Aphids. This gives Great Heart alfalfa consistency across the board and makes it an easy choice for valuable hay acres.

**QUALITY**
High tonnage and excellent digestibility are not overlooked with Ultimate. We strive to deliver a product that will exceed farmer’s expectations and this alfalfa does just that. Whether it’s for hay, silage, or grazing, Ultimate delivers the nutritional value and quality that you’re looking for in a forage product.

<table>
<thead>
<tr>
<th>Forage Quality</th>
<th>Spring Growth</th>
<th>Regrowth</th>
<th>Traffic Rating</th>
<th>Bacterial Wilt</th>
<th>Verticillium Wilt</th>
<th>Fusarium Wilt</th>
<th>Anthracnose</th>
<th>Phytophthora</th>
<th>Aphanoymyces Race 1</th>
<th>Aphanoymyces Race 2</th>
<th>Stem Nematode</th>
<th>Root Knot Nematode</th>
<th>Pea Aphids</th>
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</table>

**SCALE:** 9 = Best, 1 = Poor  
**RESISTANCE:** HR = High Resistance, R = Resistance

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The Enlist™ System - Get Control of Tough Weeds

Following burndown, Enlist Duo® and Enlist One® with COLEOX™ technology are the only herbicides containing 2,4-D that are labeled for preemergence and postemergence use with Enlist E3® soybeans.

**Enlist Duo®**
- Convenient blend of 2,4-D choline and glyphosate
- Two modes of action to deliver control and help prevent resistance in your fields

**Enlist One®**
- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Ability to tank-mix with glufosinate and other qualified herbicides, customizing the ratio of herbicides to match each farm’s needs

**On-Target Applications**
- 90% less drift than traditional 2,4-D
- 96% less volatile than 2,4-D ester
New Seed Benefits
Tests have shown Genuity® Roundup Ready 2 Yield® soybean seed outyielded bin-run Roundup Ready® soybeans by 6.1 bu/A.

New seed purchased is rigorously tested for quality and meets US Federal Seed Act requirements.

Higher seeding rates may be required for bin-run compared to new branded seed.

Soybean varieties in this brochure are patented or patent pending and therefore any product from the seed shall not be re-sold or used as seed.

Seed containing a patented trait can only be used to plant a single commercial crop from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to Genuity® Roundup Ready 2 Yield® soybeans, and Roundup Ready 2 Xtend® soybeans. Additional information and limitations on the use of these products are provided in the Monsanto Technology Stewardship Agreement, the Monsanto Technology Use Guide, and the Roundup Ready 2 Xtend® Soybean Technology Use Guide Supplement. U.S. patents for Monsanto technologies can be found at the following webpage: http://www.monsantotechnology.com

LibertyLink® Patent Statement - Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a Bayer Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

Seed Piracy Statement - Seed containing a patented trait can only be used to plant a single commercial crop from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to Roundup Ready 2 Yield® soybeans and Roundup Ready 2 Xtend® soybeans. Additional information and limitations on the use of these products are provided in the Monsanto Technology Stewardship Agreement and the Monsanto Technology Use Guide. U.S. patents for Monsanto technologies can be found at the following webpage: http://www.monsantotechnology.com

Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto’s Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. This product has been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its label directions. NOT ALL FORMULATIONS of dicamba or glufosinate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or cotton with XtendFlex® Technology.

B.t. products may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

DroughtGard® Hybrids with Rib Complete® corn blend the refugee seed may not always contain DroughtGard® Hybrids trait.

IMPORTANT IRM INFORMATION: RIB Complete® corn blend products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

Acceleron®, DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, SmartStax®, Recepta® and VT Double PRO® are trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.

Seeds containing the Enlist, Hercules and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guidelines for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html).

To plant Enlist, Hercules and PowerCore seed, you must have a limited license from Dow AgroSciences LLC (or other appropriate affiliates). In consideration of the foregoing, Dow AgroSciences grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

Always read and follow herbicide label directions prior to use: Enlist® products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Coalex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist™ crops are products that feature Coalex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Coalex-D technology are not authorized for use in conjunction with Enlist products. Enlist corn contains genes that confer tolerance to 2,4-D and -fop herbicides. 2,4-D and -fop herbicides will damage or kill crops that are not tolerant to 2,4-D or -fops.

Enlist E3™ soybean seeds containing the Enlist® trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3™ soybeans. Additional information and limitations on the use of these products are provided in the Dow AgroSciences Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Dow AgroSciences technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html.

Dow AgroSciences is a member of Excellence Through Stewardship® (ETS). Dow AgroSciences products are commercialized in accordance with ETS product launch stewardship guidance and Dow AgroSciences Product Launch Stewardship Policy. No crop or material produced from this product can be exported to, used, processed or sold across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. For further information about your crop or grain marketing options, contact DAS at 877-4-TRAITS (877-487-2487). Information regarding the regulatory and market status of agricultural biotechnology products can be found at: www.biota.org/status.

Enlist E3™ soybeans were jointly developed by Dow AgroSciences LLC and MS Technologies, LLC.

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