



2024

SEED GUIDE



THE POSSE

CORN ★ SOYBEANS ★ WHEAT ★ ALFALFA



**THE POSSE
ALWAYS AIMS**

for the Heart!

CORN

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SOYBEANS

- 6 XtendFlex®
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WHEAT

ALFALFA



HELPING YOU GET THINGS RIGHT

When pushing for higher yields, things need to go right; a lot of things. In fact, there are no guarantees in obtaining just “good” yields. Weed control, seedbed preparation, fertility levels – each play a big part; and let’s just leave the weather out of the discussion or we won’t know where to stop.

At Great Heart Seed we tackle some challenges for you to give you peace of mind that you have done the best possible when it comes to the seed you put in the ground. Before any products go into our bags they have been rigorously tested for years across different soils, locations and stressors. They have been

compared to our already outstanding lineup of top performers and other leading products in the industry and have come out consistently on top. Often these improvements are in yields, but they may also include standability, pest resistance and other agronomic strengths that ensure you have the best genetics for your farm.

During this testing our representatives become very familiar with the potential upcoming lines. The person making recommendations for your farm will be looking at these lines in locations near you a year or more ahead of when you can plant them. These people and this system are two of Great Heart’s unique strengths that help you get the best products placed on each of your fields.

To take full advantage of the genetic power of these seeds they must be produced and processed well. Our growers are very conscientious in providing healthy, pure seed with very high germination and vigor. Our processing team handles the seed with great care anytime it is moved through cleaning, sorting and treating to maintain utmost quality. That seed continues to be monitored even after it is in the bag to ensure its very high germination and vigor are ready to go to work for you when planted.

We also know you need the right seed delivered on time. That’s where our people in the office and shipping excel. We take pride in our ability to impress our customers by not just delivering what they expect, but what they want. There is a difference, and our people are willing to do the extra to make sure you have that experience.

When pushing for higher yields a lot of things need to go right. Let us handle some of those concerns for you. It’s important to have the best genetics, with very high germination and vigor, produced and processed correctly, and in your possession when you want it. That is what we do, and we are honored to do it.

Nels Kasey
Sales and Research Manager
Great Heart Seed

CORN

HT-6037

VT DoublePRO
RIB COMPLETE

- A moderate-statured hybrid that works great as a high production grain number
- Agronomics and disease ratings support its high yield potential
- Responds great to management
- Good drydown and grain quality
- Great plant intactness with a semi-flex ear

HT-6524

SmartStax
RIB COMPLETE

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

HT-6583

Trecepta
RIB COMPLETE

- A hybrid that can be pushed for superior yields
- Highly versatile across many different places with great drought tolerance
- Tolerates many disease pressures and pests
- Good pick for green snap-prone areas
- A flex ear that will be protected with Trecepta

HT-6887

Agrisure Duracade
5222 E-Z Refuge

- An adaptable hybrid eager to get out of the ground
- Durable plant with a flex ear
- Can be used for drought tolerance or high yields
- A good choice if you want to plant early
- Good disease resistance

HT-6948

VT DoublePRO
RIB COMPLETE

- An absolutely superior yielding hybrid
- Strong emergence and early growth
- Responds best to higher management
- Great choice for early planting and early harvest
- Fast drying
- A very rare hybrid designed to impress you in better situations

NEW!

HT-6950

POWERCORE
Enlist
REFUGES ADVANCED

- A hybrid that can succeed in many places on the farm
- Ear flex and strong standability allow many planting populations
- Performs well in high and low yield environments
- Can stay longer in the field during harvest
- Very good grain quality

HT-7003

VT DoublePRO SmartStax
RIB COMPLETE RIB COMPLETE

- 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

VT DoublePRO SmartStax
RIB COMPLETE RIB COMPLETE

- 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-7044

VT DoublePRO
RIB COMPLETE

- An easy corn to position on your farm
- Has tremendous yield records and wants to be pushed
- A good hybrid for durability and solid agronomics
- Great test weight and grain quality
- Very good ear flex

HT-7105

DroughtGard
HYBRIDS
VT DoublePRO
RIB COMPLETE

- Excellent choice to maximize your yield potential
- Quick dry down while maintaining great husk cover
- Very good standability season long in both roots and stalks
- Can handle wet feet
- A disease package that provides protection for most situations
- With this much yield potential and drydown, this is a hybrid that needs planted

HT-7114

VT DoublePRO
RIB COMPLETE

- An easy hybrid to place on the farm due to its adaptability
- Consistently brings in top yields on many different soil types
- A strong plant that looks good and holds together all season
- Very versatile with a large area of adaptation
- Very good rust tolerance

HT-7192

Agrisure 3120
E-Z Refuge

- A true dual-purpose hybrid with eye appeal
- A quick emerging corn that works from the corn belt into the Delta
- Consistently a top performer that works great in tough situations
- A taller plant with the root and stalk strength to support it
- Good ear flex

NEW!

HT-7234

VT DoublePRO SmartStax
RIB COMPLETE RIB COMPLETE

- Workhorse stability with racehorse potential
- Has the ability to dry in the field
- Tough enough to handle stress
- Season-long standability
- Used for grain or silage applications

HT-7240

Roundup Ready 2
CORN
VT DoublePRO
RIB COMPLETE

- 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

LIBERTY LINK

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



HT-7256

- Huge top end yield potential
- Great test weights with good dry down
- Takes advantage of prime growing conditions and has the agronomics to win the entire farm
- Yields from Great Lakes to Gulf of Mexico
- Possible food grade premiums



NEW!

HT-7329

- A hybrid that maximizes grain production
- It can also add grain quality premiums
- Good ear flex and kernel depth
- Can be used in continuous corn systems
- Offers improved tar spot tolerance



HT-7486

- Among the highest yielding hybrids in 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



HT-7261

- Very good-looking hybrid with workhorse 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 the complete disease package



NEW!

HT-7360

- Versatile, top performer
- Very attractive look from spring through harvest
- Performs at many population settings
- Handles later harvest well
- A good choice for early planting



HT-7499

- High yields and durability from the Midwest to the Gulf
- Hard to get this one out of position
- Dependable stalks and roots all season long
- The disease package is complete and has a good husk cover
- Good no-till hybrid



HT-7275

- Consistency across the board is what this hybrid offers most
- Can be used to push yields or handle stress
- A good choice for elevator delivery out of the field
- Plant size and grain yield allow good silage production
- Very good roots and stalks help in the late season
- A solid agronomic package



HT-7381

- The most stay-green in the lineup
- 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-7500

- Consistent producer of top yields
- Doesn't need perfect growing conditions to impress you
- Has the ability to be your best yielder
- Late-harvest appearance is very good
- Soil variation is not a problem



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-7393

- Consistent top end yields in its area of adaptation
- A large robust plant that wants to emerge and canopy quickly
- A hybrid built for durability and strength
- Adapts well to irrigation
- A good choice for grain or silage



HT-7676

- Record-setting yield potential
- Excellent performance across soil types
- Good ability to perform at various populations
- Good toughness under stress
- Great pick to maximize yield while maintaining stability
- Good hybrid for corn-on-corn applications



NEW!

HT-7317

- Great choice for setting new yield records
- Responds well to management
- Can be used for grain or silage
- Ear flex can stretch population options
- Good overall disease package



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-7890

- A super-impressive performing hybrid
- So much top-end yield potential wrapped in a rugged defensive package
- Ears flex in girth and length
- Works anywhere a 118 day can be used
- The emergence is good with use for no-till and continuous corn
- An all-around great hybrid with the ability to stand pretty in your field



CORN


TRAIT AVAILABILITY

HYBRID	GROWTH REGULATOR	PIGMENT INHIBITOR	SULFONYLUREA	CONVENTIONAL	Roundup Ready ² CORN	VT DoublePRO [®] RIB COMPLETE	Trecepta [®] RIB COMPLETE	DroughtGard [®] HYBRIDS VTDoublingPRO [®] RIB COMPLETE	SmartStax [®] RIB COMPLETE	Agrisure [®] 3120 i-2 Refuge [®] HX	POWERCORE [®] Enlist REFUGE ADVANCED	Agrisure [®] Duracade 3222 i-2 Refuge [®] HX
HT-6037	▲	▲	▲			✓						
HT-6524	▲	▲	▲	✓					✓			
HT-6583	▲	●	●				✓					
HT-6887	▲	▲	▲									✓
HT-6948	●	●	●			✓						
NEW! HT-6950	▲	▲	▲	✓							✓	
HT-7003	●	●	●			✓			✓			
HT-7026	●	●	●	✓		✓			✓			
HT-7044	●	●	●			✓						
HT-7105	●	●	●					✓				
HT-7114	●	●	●			✓						
HT-7192	▲	▲	▲							✓		
NEW! HT-7234	●	●	●			✓			✓			
HT-7240	●	●	●	✓	✓	✓						
HT-7256	▲	▲	▲					✓				
HT-7261	●	●	●	✓								
HT-7275	●	●	●					✓				
HT-7302	●	●	●		✓	✓			✓			
NEW! HT-7317	●	●	●			✓						
NEW! HT-7329	▲	▲	●	✓							✓	
NEW! HT-7360	●	●	●			✓						
HT-7381	●	●	●	✓	✓	✓						
HT-389	●	●	●			✓						
HT-7393	●	●	●			✓						
HT-7425	●	●	●					✓				
HT-7486	●	●	●			✓						
HT-7499	●	●	●				✓					
NEW! HT-7500	●	●	●				✓					
HT-7676	●	●	●			✓						
HT-7890	●	●	●			✓						

● = Acceptable, ▲ = Warning, ● = Stop, ✓ = Yes

The below information applies only to the corn growing areas.

ACCELERON
SEED APPLIED SOLUTIONS

	VT DoublePRO [®] RIB COMPLETE	Trecepta [®] RIB COMPLETE	DroughtGard [®] HYBRIDS VTDoublingPRO [®] RIB COMPLETE	SmartStax [®] RIB COMPLETE	Agrisure [®] 3120 i-2 Refuge [®]	POWERCORE [®] Enlist REFUGE ADVANCED	Agrisure [®] Duracade 3222 i-2 Refuge [®]
	NON COTTON-GROWING AREAS		COTTON-GROWING AREAS				
% REFUGE	5% non-Bt corn		20% non-Bt corn (common refuge plan only)				
CONFIGURATIONS	Included in the bag		Block, Split Planter, Adjacent Field				
	Included in the bag		Refuge adjacent to or within your field				
STRIPS	Included in the bag		Split Planter - minimum of 4 consecutive rows				

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-6037	100	2425	29-33M	7	7	7	7	7	7	Semi-Flex	7	8	MS	ML	8	5
	HT-6524	105	2525	29-35M	7	7	8	8	8	8	Flex Girth	8	8	MT	M	7	8
	HT-6583	105	2510	29-34M	7	7	8	7	6	7	Semi-Determinate	7	7	M	M	7	5
	HT-6887	108	2660	29-34M	9	8	8	7	6	8	Flex	7	9	M	M	6	6
	HT-6948	109	2690	30-35M	8	7	7	7	7	8	Semi-Determinate	8	7	M	MT	7	6
NEW!	HT-6950	109	2680	29-35M	8	8	8	8	8	7	Semi-Flex	8	8	MT	M	8	9
	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	7	8	7	Semi-Flex	8	8	MT	M	9	7
	HT-7044	110	2710	29-36M	7	7	7	7	8	7	Flex	8	9	MT	M	8	8
	HT-7105	111	2725	30-36M	7	7	7	7	8	9	Semi-Determinate	8	6	MT	M	7	5
	HT-7114	111	2740	29-35M	7	7	7	7	8	7	Semi-Flex	8	8	MT	M	8	5
	HT-7192	111	2780	29-35M	8	8	8	7	7	7	Semi-Flex	7	8	MT	ML	8	7
NEW!	HT-7234	112	2760	29-36M	8	7	7	7	7	8	Semi-Flex	7	8	M	M	7	5
	HT-7240	112	2790	28-36M	7	7	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-7261	112	2800	28-34M	6	7	8	7	8	7	Flex-Ear	8	8	M	ML	9	7
	HT-7275	112	2765	28-36M	8	7	7	7	8	8	Semi-Flex	8	8	MT	MH	7	5
	HT-7302	113	2830	29-36M	9	8	8	7	8	8	Semi-Flex	8	8	M	M	9	7
NEW!	HT-7317	113	2830	29-34M	7	7	7	7	7	7	Semi-Flex	7	8	T	H	7	5
NEW!	HT-7329	113	2840	29-35M	8	7	7	7	7	7	Semi-Flex	7	8	MT	MH	8	8
NEW!	HT-7360	113	2830	29-36M	8	8	7	7	8	7	Semi-Flex	8	8	M	M	6	5
	HT-7381	113	2805	29-36M	7	8	8	8	8	7	Semi-Determinate	8	7	M	M	9	7
	HT-389	113	2850	26-32M	7	7	7	6	8	7	Flex-Ear	8	9	M	M	7	7
	HT-7393	113	2820	29-35M	8	7	5	7	7	7	Semi-Flex	8	8	MT	MH	6	7
	HT-7425	114	2860	29-35M	7	7	8	7	8	6	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-7499	114	2885	29-36M	7	8	7	7	8	6	Semi-Flex	8	8	M	M	7	5
NEW!	HT-7500	115	2890	29-35M	8	8	7	7	8	7	Semi-Flex	8	8	T	MH	6	5
	HT-7676	116	2915	28-36M	8	8	8	8	9	7	Semi-Flex	9	8	MT	MH	9	9
	HT-7890	118	3000	27-35M	7	8	8	7	8	6	Semi-Flex	8	8	MT	MH	8	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

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.

SOYBEANS

GT-3016XF EARLY III XTENDFLEX SOYBEANS

- A tall, wide plant that canopies the wide rows and stands up in the narrow rows
- High yield potential throughout the Midwest
- Carries a good disease package and stress tolerance
- Easy variety to work with across changing soils

GT-3883XF LATE III XTENDFLEX SOYBEANS

- It's all about high yields with this one
- Offers strong standability to get all that yield into the combine
- Fast stand establishment to conserve moisture and shade weeds
- Good choice for challenging emergence situations
- No need to overpopulate, let this variety do the work for you

NEW! GT-4366XFS EARLY-MID IV XTENDFLEX SOYBEANS STS

- Handles most soils from the Midwest through the South
- Maintains good plant height and width under stress
- Offers good lodging resistance and quick emergence
- Good choice for no-till
- Excluder for salt

GT-3432XF MID-EARLY III XTENDFLEX SOYBEANS

- A variety that wants to get out of the ground quick
- A bushy plant to cover those rows quickly and control weeds
- The standability remains strong under that weight to ensure an easier harvest
- Offers an agronomic package to handle harsh environments
- It also has tolerance to Metribuzin

NEW! POSSE GT-3967XF LATE III XTENDFLEX SOYBEANS

- A combination of offense and defense
- This tall, medium bushy plant covers a lot of tough environments
- Good standability and emergence with high yield potential
- Consistency to work on all soils on your farm
- Genetically diverse

NEW! GT-4538XFS MID IV XTENDFLEX SOYBEANS STS

- Top variety for mixed to clay soils
- Good plant size with standability
- Quick to establish a wide canopy
- Very high yield potential
- Maintains size under stress

CHOOSE RESULTS



YIELD. WEED CONTROL. FLEXIBILITY.

You want high-yielding performance. And you need options for managing tough weeds. XtendFlex® soybeans offer proven performance and herbicide tolerance to dicamba, glyphosate and glufosinate.

YIELD



Built on the proven performance of the high-yielding Roundup Ready 2 Xtend® soybeans for outstanding agronomic performance.

WEED CONTROL



Dicamba, glyphosate and glufosinate tolerance gives you control over 337 weeds¹ and up to 14 days of soil activity on certain small-seeded broadleaf weeds from XtendiMax® herbicide with VaporGrip® Technology, a restricted use pesticide.²

FLEXIBILITY



Choose the weed management strategy that suits you with triple herbicide tolerance, providing you with choice and flexibility in controlling tough weeds.

¹ Based on approved EPA herbicide labels for the herbicides recommended for use in each system as of 10/28/2020.

² Results may vary, depending on rainfall and soil type. Always use dicamba with residual herbicides in pre-emergence and postemergence applications that have different, effective sites of action, along with other Diversified Weed Management Practices.





GT-4681XFS MID IV

- Across the south it works in the Delta and hills, and carries that performance to the DelMarVa
- A solid agronomic package for the south and an excluder for salts
- It gets out of the ground easily and is a good choice for no-till
- Good choice for many productivity levels
- Good plant type for mixed to clay soils



GT-4762XF MID-LATE IV XTENDFLEX SOYBEANS

- A line that posts high yields on the productive soils and is a top choice for the tough acre as well
- A great choice for your wetter soils
- Strong line for medium to clay soils in the Delta
- Good variety for early planting
- Quick emergence makes it great for no-till environments

NEW!

GT-5320XF EARLY-MID V XTENDFLEX SOYBEANS

- Very high yield potential
- Large plant profile that fills the row
- Fast stand establishment
- Phytophthora and Stem Canker resistance
- Strong Southern and East Coast selection



GT-4756XF MID-LATE IV XTENDFLEX SOYBEANS

- A very high yielder across many soil types
- Very good standability
- Above average height and branching
- Good variety to begin the planting season
- A salt excluder



GT-4867XF LATE IV XTENDFLEX SOYBEANS

- The standability of a workhorse with the high yield capability of a plot winner
- A bigger plant to handle adversity while maintaining standability
- Consistent performer under stress
- Good choice for mixed soils to harsh clays
- Ready to get out of the ground quick

VARIETY	MATURITY	DRILL ADAPTED	EMERGENCE SCORE	CANOPY TYPE	PLANT HEIGHT	STANDABILITY	PHYTOPHTHORA RESISTANCE	PHYTOPHTHORA TOLERANCE	SDS TOLERANCE	SCN RESISTANCE	BROWN STEM ROT	WHITE MOLD	CHARCOAL ROT	FROGEYE	STEM CANKER	ROOT KNOT	SALT	PUBESCENCE COLOR	FLOWER COLOR	POPULATION
GT-3016XF	3.0	7	6	MB	38"	7	1C	5	6	R3,MR14	R	7	NA	NA	R	NA	Inc	G	P	M
GT-3432XF	3.4	7	8	MB	36"	7	1C	6	6	R3,MR14	R	6	NA	NA	R	NA	Inc	G	P	M
GT-3883XF	3.8	7	8	MB	39"	7	1C	5	6	R3,MR14	NA	NA	NA	4	NA	NA	Inc	G	P	ML
NEW! GT-3967XF	3.9	7	7	MB	41"	7	1C	6	8	MR3,R14	NA	NA	NA	7	R	NA	Inc	G	P	M
NEW! GT-4366XFS	4.3	7	8	MB	41"	7	1C	5	7	R3,MR14	NA	NA	NA	NA	R	S	Exc	Lt	P	M
NEW! GT-4538XFS	4.5	7	8	MB	43"	7	1C	4	7	R3,MR14	NA	NA	NA	NA	R	S	Exc	Lt	W	M
GT-4681XFS	4.6	7	8	M	41"	7	1C	NA	NA	R3,MR14	R	NA	NA	NA	R	NA	Exc	Lt	P	M
GT-4756XF	4.7	8	8	MB	42"	8	1C	4	4	R3,MR14	NA	NA	NA	7	R	S	Exc	Lt	P	M
GT-4762XF	4.7	7	8	MB	42"	7	1K	7	7	R3,MR14	NA	NA	NA	6	R	NA	Exc	T	P	M
NEW! GT-4867XF	4.8	6	8	M	43"	7	S	7	7	R3,MR14	NA	NA	NA	8	R	S	Inc	Lt	W	M
NEW! GT-5320XF	5.3	6	8	MB	44"	6	1C	6	5	R3,MR14	NA	NA	NA	NA	R	S	Inc	Lt	P	ML

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

POPULATION: L = Low, ML = Medium-Low, M = Medium, MH = Medium-High, H = High



SOYBEANS

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-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-4833XS MID-LATE IV

- Designed for high yields on Delta clays
- Stem Canker resistance
- Good variety for tough emergence conditions
- Because of its unique genetic makeup, it's a great companion with other Great Heart lines
- Good choice for Frogeye

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, stands well
- Dicamba resistance makes this a true go-anywhere variety

GT-5417X EARLY-MID V

- Versatile variety with yield and consistency all across the board
- Great in the Delta and Southeast
- An indeterminate, medium-tall variety that stands remarkably well
- Good choice for farms with varying soils and can handle no-till
- Phytophthora, Cyst Nematode and Stem Canker resistance
- With great emergence, an excellent choice

VARIETY	MATURITY	DRILL ADAPTED	EMERGENCE SCORE	CANOPY TYPE	PLANT HEIGHT	STANDABILITY	PHYTOPHTHORA RESISTANCE	PHYTOPHTHORA TOLERANCE	SDS TOLERANCE	SCN RESISTANCE	BROWN STEM ROT	WHITE MOLD	CHARCOAL ROT	FROGEYE	STEM CANKER	ROOT KNOT	SALT	PUBESCENCE COLOR	FLOWER COLOR	POPULATION
GT-4255XS	4.2	9	9	M	41"	8	1C	6	7	R3,MR14	NA	NA	NA	7	R	S	Exc	Lt	P	M
GT-4540XS	4.5	8	8	B	42"	7	1A1C	8	7	R3,MR14	NA	NA	NA	9	R	S	Inc	Lt	P	ML
GT-4677XS	4.6	7	8	MB	41"	7	1C	7	9	R3,MR14	NA	NA	NA	7	R	S	Exc	Lt	P	M
GT-4833XS	4.8	7	8	MS	44"	7	S	8	7	R3,MR14	NA	NA	NA	8	R	S	Inc	Lt	P	ML
GT-5214X	5.2	7	9	MB	43"	7	S	6	7	S	NA	NA	NA	8	R	R	Inc	T	P	M
GT-5417X	5.4	8	8	MB	41"	8	1C	7	6	MR3	NA	NA	NA	7	R	MS	Inc	T	P	M

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

POPULATION: L = Low, ML = Medium-Low, M = Medium, MH = Medium-High, H = High





PARTNER WITH **THE POSSE**



THE POSSE — Made up of key corn hybrids and soybean varieties that are designed to help you wrangle up the best performance on your farm. Each one a legend in chasing down higher yields. They partner perfectly with the other outstanding lines offered in this seed guide to maximize profits on your specific farm. *Aim for the heart, Great Heart!*

COUNT ON 'EM FOR HIGH YIELDS AND PROFITS.

Partnering to Provide Financing for Great Heart Customers Like Yourself

Fast. Convenient. Up to \$250,000.

AgQuest provides unsecured line of credits that can be used by customers of Great Heart Seed, allowing greater flexibility to purchase seed inputs in one convenient program. It enables growers to make early commitments to lock in the seed that they need. Payment is deferred until after harvest, with the advantage of less paperwork and a quick credit decision.

Contact Patty Blackburn at 765.490.6890 for details.



AgQuest Insurance Agency is an equal opportunity provider.



AgQuest[®]
Financial Services, Inc.

SOYBEANS

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-3665E MID III



- Extremely high yielding variety that covers a wide area
- Maintains good standability all season
- Does not shrink under stressful environments
- Easy to position on your farm
- Resistance to Brown Stem Rot and Stem Canker, with tolerance to Frogeye

GT-4573ES MID IV



- Great looking tawny variety that's big enough for the clays but stands on the loams
- It pulls in the top yields but is tough to beat in stress
- A wide area of adaptation
- Solid standability rating to keep it upright all year
- Strong disease protection

GT-2823E LATE II



- A superior defensive agronomic package that handles a lot and packs a yield punch
- Great selection for early planting
- Large plant for solid canopy in difficult environments
- It has Peking Cyst resistance, Rps1K Phytophthora resistance, Javanica Root Knot resistance, Brown Stem Rot resistance



GT-3894ES LATE III



- Record setting yielder that is a wide-body line, which really helps in stress situations
- Take advantage of the solid canopy for drought and weed control
- Cyst, Phytophthora and Stem Canker resistance
- Good choice for wet feet
- Emerges fast even in no-till soils

GT-4854ES LATE IV



- A top pick for medium to clay soils throughout the south
- Endures stress well and has high yield capability
- Quick to establish full canopy
- Very good agronomic package
- Excluder for salt

GT-3337E MID-EARLY III



- A yielder with Peking cyst resistance
- Larger plant that offers full canopy
- Added Brown Stem Rot and SDS protection
- Quick emergence
- Great choice to cover varying soil types



GT-4005ES EARLY IV



- Top yields in high and low productivity environments
- Quick emergence to start your season right
- Medium-tall plant to cover and shade your tougher soils
- Comprehensive disease package
- Good choice for your saturated soils

GT-3443ES MID-EARLY III



- A healthy line that does not give up its yield to common pressures that affect other beans
- Easy variety to place anywhere on the farm
- Can increase yield levels on soils of various productivity
- Good size and quick canopy to help conserve soil moisture

GT-4320ES EARLY-MID IV



- An easy choice for multiple soils in the Midwest and South
- Standout yielder
- Genetically protected against Frogeye, Stem Canker and Phytophthora
- Can be planted early or late
- Strong standability



Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use on Enlist® crops.

SOYBEANS 2,4-D choline | Glyphosate | Glufosinate

CORN 2,4-D choline | Glyphosate | Glufosinate | FOP Herbicides

ENLIST® WEED CONTROL SYSTEM OVERVIEW

On-Target Application

- 90% less drift than traditional 2,4-D
- 96% less volatile than 2,4-D ester



- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two sites of action work together to deliver control of yield-robbing weeds and help prevent resistance



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with Liberty® herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

VARIETY	MATURITY	DRILL ADAPTED	EMERGENCE SCORE	CANOPY TYPE	PLANT HEIGHT	STANDABILITY	PHYTOPHTHORA RESISTANCE	PHYTOPHTHORA TOLERANCE	SDS TOLERANCE	SCN RESISTANCE	BROWN STEM ROT	WHITE MOLD	CHARCOAL ROT	FROGEYE	STEM CANKER	ROOT KNOT	SALT	PUBESCENCE COLOR	FLOWER COLOR	POPULATION
GT-2639E	2.6	7	8	M	37"	7	1K	8	NA	All Known	MS	NA	NA	NA	NA	NA	Inc	G	P	M
GT-2823E	2.8	6	7	MB	37"	6	1K	7	5	R3,R5	R	5	6	6	NA	R	Inc	G	P	ML
NEW! GT-3337E	3.3	7	8	MB	37"	7	S	9	7	All Known	R	NA	NA	6	R	NA	Inc	G	P	M
GT-3443ES	3.4	7	7	M	37"	7	1K	7	8	R3,MR14	R	6	7	6	R	MR	Inc	Lt	P	M
NEW! GT-3665E	3.6	7	8	MB	38"	7	S	8	7	R3,MR14	R	6	7	6	R	NA	Inc	G	P	M
GT-3894ES	3.8	6	7	B	40"	6	1C	7	6	R3,MR14	S	5	NA	7	R	NA	Inc	Lt	W	ML
NEW! GT-4005ES	4.0	7	9	M	40"	7	1C	7	6	R3,MR14	S	NA	NA	7	R	S	Inc	Lt	W	M
NEW! GT-4320ES	4.3	8	9	M	40"	8	1K	7	7	R3,MR14	R	NA	NA	7	R	S	Inc	Lt	W	M
GT-4573ES	4.5	8	8	MB	41"	8	S	7	7	R3,MR14	S	5	NA	8	R	S	Exc	T	W	M
NEW! GT-4854ES	4.8	8	9	MB	42"	8	1C	7	NA	R3,MR14	R	NA	NA	8	R	S	Exc	G	W	M

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

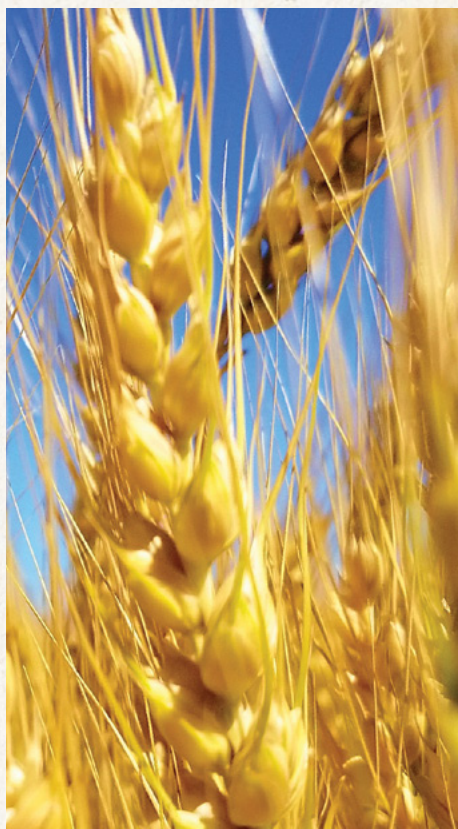
PUBESCENCE COLOR: T = Tawny, G = Gray

FLOWER COLOR: P = Purple, W = White

POPULATION: L = Low, ML = Medium-Low, M = Medium, MH = Medium-High, H = High



WHEAT



GHT-918

High yields with built-in defense and in an early package.

- Early harvest date
- Head scab resistance
- Very complete disease package
- Very good on Stripe Rust
- High test weight
- Smooth head on a heavy straw producer

Recommended Population: 1,600,000/120#

*Recommended Nitrogen: High to very high**

GHT-9530

A game-changing variety for yield, test weight and durability.

- A variety that can be pushed to new yield records
- Incredible test weights
- Head scab resistance reduces spread of infection
- Very good straw production
- Solid disease package
- Good maturity for double crop

Recommended Population: 1,700,000/125#

*Recommended Nitrogen: Medium 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: 1,700,000/125#

*Recommended Nitrogen: Medium to very high**

GHT-9642

A line that consistently places at the head of the class.

- Superior consistency
- Record setting yield potential
- Head scab resistance reduces spread of infection
- Very good agronomic package
- Strong winter hardiness
- Establishes a stand quickly with excellent tillering

Recommended Population: 1,700,000/125#

*Recommended Nitrogen: High to very high**

VARIETY	MATURITY	BEARDED	HEIGHT	TEST WEIGHT	WINTER HARDINESS	LODGING	LEAF RUST	STEM RUST	STRIPE RUST	POWDERY MILDEW	SEPTORIA	SCAB RESISTANCE	SCAB TOLERANCE	SOIL BORNE MOSAIC VIRUS	BARLEY YELLOW DWARF
GHT-918	Early	No	Medium	G	VG	EX	G	VG	EX	G	G	Type I & II	VG	VG	VG
GHT-9530	Medium Early	Yes	Medium-Tall	EX	G	VG	AVG	G	VG	G	VG	Type II	VG	G	VG
GHT-940	Medium	Yes	Medium	EX	EX	EX	G	G	VG	G	G	No	VG	NA	VG
GHT-9642	Medium	Yes	Medium	G	VG	VG	G	VG	VG	EX	VG	Type II	VG	VG	G

RATINGS: EX = Excellent, VG = Very Good, G = Good, F = Fair, P = Poor

SCAB RESISTANCE: Type resistance, S = Susceptible

* Very high nitrogen levels should use split spring applications.

USE RESTRICTIONS AND LIMITED LICENSE: THE ONLY PERMISSIBLE USE OF THE SEED CONTAINED IN THIS BAG IS FOR THE PRODUCTION OF A SINGLE CROP FOR FOOD, FEED OR PROCESSING. ABSOLUTELY NO RESEARCH OR BREEDING MAY BE DONE WITH THIS MATERIAL. EXPORT OR TRANSFER OF THIS MATERIAL OR ITS PROGENY FROM THE COUNTRY OF PURCHASE FOR ANY USE OTHER THAN AS GRAIN FOR FOOD, FEED OR PROCESSING IS STRICTLY PROHIBITED. This product may be protected by Plant Variety Protection laws (PVP). Export of PVP protected seed is prohibited. This product may also be protected under the laws of other countries. If the tag, top of the bag and/or bill of sale indicates this product is protected under one or more U.S. patents, Purchaser agrees that it is granted a limited license thereunder only to produce a single crop for food, feed or processing. Resale of this seed or supply of saved seed to anyone, including Purchaser, for planting is strictly prohibited under this license. Use of this product in development or breeding also is strictly prohibited. If Purchaser does not agree to these terms, please return the seed unopened.

ULTIMATE ALFALFA



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.

FORAGE QUALITY	SPRING GROWTH	REGROWTH	TRAFFIC RATING	BACTERIAL WILT	VERTICILLIUM WILT	FUSARIUM WILT	ANTHRACNOSE	PHYTOPHTHORA	APHANOMYCES RACE 1	APHANOMYCES RACE 2	STEM NEMATODE	ROOT KNOT NEMATODE	PEA APHIDS	BLUE APHIDS
8	8	9	7	HR	HR	HR	HR	HR	HR	R	R	HR	R	R


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

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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.

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. Agrisure®, Agrisure Viptera®, Agrisure Duracade®, and E-Z Refuge® are registered trademarks of a Syngenta Group Company.

More information about Agrisure Duracade® is available at <http://biotradestatus.com/>.

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Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and agreement to comply with the most recent stewardship requirements.



Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have 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, or 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 labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with products with XtendFlex® Technology.

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

Refuge seed may not always contain the DroughtGard® trait. IMPORTANT IRM INFORMATION: Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. **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. Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba.** Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Insect control technology provided by **Vip3A** is utilized under license from Syngenta Crop Protection AG. DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 YIELD®, Roundup Ready®, SmartStax®, Trecepta®, VT Double PRO® and XtendFlex® are registered trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. LibertyLink logo® and LibertyLink® are trademarks of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.

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Seeds containing the Enlist, Herculex 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 Guides 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, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience. In consideration of the foregoing, Corteva Agriscience 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 Colex-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 Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-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.

IRM - Properly managing trait technology is key to preserving it as a long-term crop protection tool. Growers who fail to comply with IRM requirements risk losing access to this product. To help preserve the effectiveness of B.t. corn technologies, growers planting B.t. corn technologies are required to follow an IRM Plan. Consult the Corn Product Use Guide for appropriate refuge configuration options. Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology Use Agreement and Product Use Guide. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements. For complete details on IRM requirements for hybrids with Bt technology, including refuge examples and important information on the use of insecticides on refuge and Bt corn acres, please consult appropriate Product Use Guide. Go to www.corteva.us/Resources/trait-stewardship.html to download the latest Corteva Agriscience Corn Product Use Guide.

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 Corteva Agriscience Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Corteva Agriscience technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html.

Enlist Duo® and Enlist One® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions. Enlist E3® soybeans were jointly developed by Corteva Agriscience and MS Technologies, LLC.™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience. PowerCore® multi-event technology developed by Corteva Agriscience and Monsanto. Roundup®, Roundup Ready®, Roundup Ready 2 Technology and Design, and PowerCore® are registered trademarks of Monsanto Technology LLC. Liberty Link® and the Water Droplet Design® are registered trademarks of BASF. Enlist®, Colex-D®, and Refuge Advanced® are trademarks of Corteva Agriscience and its affiliated companies. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

PCE - PowerCore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products.



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