



GREAT HEART SEED



The First 25 Years





CORN

HT-212

Real solid performer with the super balance of top end and stress tolerance. Very good standability, the ability to follow corn, good heat and drought tolerance, a "no holes" disease package, heavy test weights... does about everything well. The type of hybrid that becomes a favorite.



HT-7261

HT-7261 is a great looking yielder! Not only that but it has the ability to handle the lighter colored clays and perform well on down towards the Delta. Its health is strong and its test weight heavy. Plus its standability is stout. Nice package all around!

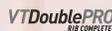
HT-6930

HT-6930 is a hybrid that can handle about anything, which is rare for a 109 day. It has incredible yield punch, and protects it with a comprehensive disease package. It has good drought tolerance and outstanding standability. All this adds up to a hybrid that is used for many purposes with great results.



HT-7240

HT-7240 is not bullet proof for anything but is good at everything. It is an easy choice for top yields on productive ground, but also for tougher drought-prone soils. Some will plant it for an optional hybrid for grain or silage as the need dictates. Perfect for variable soils. Perhaps the best go-anywhere performance hybrid.



HT-7238

Here is an opportunity to get some gmo help for drought and maintain high yield potential if weather permits. This big plant keeps the ear up on light soil and has the root and stalk strength to give season-long standability. The ear flexes enough to allow multiple planting population options.

HT-7778

HT-7778 is a big hybrid that works from the Midwest through the Delta and from coast to coast. It is a top choice for both grain and silage production. A profit-building hybrid for many soils and farming practices.



HT-6881

A tough early hybrid that was developed in high yield environments but has shown its ability to handle stress. Certainly a good pick to plant first and harvest first, but it will stand late into the fall if it has to. Finally, a versatile early hybrid with a lot to offer.



HT-7181 **NEW!**

A consistently high yielding product over a wide range of soils. It works well east to west and from the northern Midwest to the northern parts of the Delta. With only a little management you have a very usable hybrid that can contribute top performance in a good drying package.



HT-7381

Seldom does extremely high yield potential and consistency come in the same package as it does in HT-7381. All that is complimented by high test weights, strong standability and solid disease package. Expect to have this delivered in the fall on very uniform, eye appealing plants.

HT-5561

The plant design, plus stalk and root strength offer great standability to this hybrid even late into the season. That also allows higher populations to push yield levels. The disease tolerance is solid across the board as well, giving you a hybrid to confidently plant in many applications

HT-5917



Likely the most versatile hybrid in the entire lineup. Whether used as a high yielding grain hybrid, a big tonnage silage number, or even a super early hybrid in the south that avoids heat, expect top performance. A great consideration for continuous corn as well.

HT-5908 **NEW!**

HT-5908 works over a huge number of environments. Select it to push high yield levels or to withstand tough soils. Pick it as a super-early to beat some stress or plant it in the sweet spot as a mid-season yielder. It's the kind that can go over the rolling fields and perform as well as anything across each soil type it encounters.



HT-6238 **NEW!**

This is a well-made hybrid. It has enough ear flex for lower populations but enough stalk and root strength for higher populations, and yields well at either. It performs well in light, varying and dark soils all very well. A real workhorse/racehorse combination. Plus you still get the comprehensive disease package and a fast drydown.

HT-6341 **Agrisure Viptera® 3111**
 HT-6341 is a true dual-purpose hybrid with tremendous top end yield punch. Its agronomic package makes it very versatile across many fertilities and populations. Even under stress this number is an obvious choice.



HT-6522
 If you are planting a 105 day hybrid this is the one to have. So much consistency in this high yield platform that it works for everyone in the maturity. Unsurpassed on health with solid agronomics and strong emergence. A hybrid you are happy with from day one.



HT-6912
 HT-6912 is a hybrid that likes to be pushed. If you bump up the plants per acre and feed them it responds with very high yields of dry corn. The standability and disease package are more than strong enough to handle the added stress of top production.



HT-7001
 HT-7001 is such an easy hybrid to work with that offers top production. Whether you need some ruggedness for tough conditions, strong standability for potentially wet harvest soils, or top end punch for ideal conditions this hybrid is an obvious choice. And let's face it, most fields have some combination of the conditions listed above.



HT-7134 **NEW!**
 HT-7134 has so much top-end yield potential that it seems like a complete racehorse, but it has a lot of stress tolerance and carries the DroughtGard® option. On lower productivity soils it performs well with lower populations, but in high yield environments push the seeding rate and set new yield records. Simply top performance in multiple situations.



HT-7150
 This is the kind of hybrid that sets new yield records for the farm! So pick out those fields that have the potential, plant it thick enough, fertilize it, take a look at it during peak disease time and plan on a big harvest.



HT-7257 **NEW!**
 A strong hybrid on any farm. As long as you can use a 112 day hybrid this one is always a top consideration. It performs well across different soils and a wide disease complex. It handles many populations and farming practices. It stands well into harvest and offers high yields of heavy test weight grain. A very complete hybrid.

HT-7385 **NEW!**
 Perhaps the best grain quality we have seen. It's a rugged hybrid that will handle stress but also respond to higher management. It has the health and top end yield punch for irrigation, but also the plant size, canopy speed, and drought tolerance to be the first choice on dryland.

HT-389
 This hybrid offers great performance consistency in a high yielding package. It also has superior silage applications. It has demonstrated strong yields across the board from light soils to dark. Ear flexibility in both length and girth. With its durability this hybrid can perform under a wide range of conditions. Plus it's a very good choice for no-till.



HT-7516 **NEW!**
 HT-7516 is designed to south of I-80 all the way to the gulf. It will bring in very high yields in better situations and still has some stress tolerance for more difficult places. The hybrid has very good grain quality and its plant type is big enough to put up some good silage tonnage too. A good number to push yields on a variety of soils.



HT-7741
 A big southern yielder that also has silage applications. It's full canopy lets you cover some droughty soils and wider rows. The disease package is complete for the area it fits, as well as the husk cover. But primarily HT-7741 is used to maximize grain and silage yields.



HT-7673 **NEW!**
 HT-7673 is a consistently high yielding hybrid across many environments. It's flexible ear and deep kernels allow lower populations while its excellent stalks and roots let you push the populations for even higher yields. It has a complete husk cover but still dries well. Certainly a hybrid you can rely on.



HT-7803 **NEW!** **Agrisure® 3000GT**
 If you keep in mind that this hybrid was built for extreme yield levels and treat it accordingly, you will love it. Whether going for grain or high quality silage, this one is a monster. Feed and water it, and the response will impress you. It will also pay you back if you push the populations and consider a fungicide application.



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

	Agrisure Viptera ³¹¹¹ Agrisure Viptera ³¹¹¹	VTDoublePRO ^{HT-6522} SmartStax ^{HT-6912}	
% Refuge	20% non-B.t. corn (common refuge plan only)	5% non-B.t. corn	10% non-B.t. corn
Configurations	Block, Split Planter, Adjacent field	Included in the bag	Included in the bag
	Refuge adjacent to or within your field	Included in the bag	Included in the bag
Strips	Split Planter - minimum of 4 consecutive rows	Included in the bag	Included in the bag



Trait Availability Chart

Hybrid	Growth Regulator	Pigment Inhibitor	Sulfonylurea	Conventional	Roundup Ready CORN 2	VT DoublePRO RIB COMPLETE	DroughtGard HYBRIDS VTDouBlePRO RIB COMPLETE	genity VT TRIPLE PRO CORN RIB COMPLETE	SmartStax RIB COMPLETE	Agrisure® GT	Agrisure Viptera® 3110	Agrisure Viptera® 3111
HT-212	●	▲	●					✓				
HT-7261	●	●	●	✓	✓	✓		✓				
HT-6930	●	▲	●	✓					✓			
HT-7240	●	●	●	✓	✓	✓			✓			
HT-7238	●	●	●				✓					
HT-7778	●	●	●					✓				
HT-6881	●	●	●			✓						
HT-7181	●	●	●						✓			
HT-7381	●	●	●			✓						
HT-5561	●	●	●					✓				
HT-5917	▲	▲	●							✓		✓
HT-5908	▲	●	●	✓		✓			✓			
HT-6238	▲	●	●				✓					
HT-6341	●	●	●									✓
HT-6522	●	●	●					✓				
HT-6912	●	●	●			✓			✓			
HT-7001	▲	●	●			✓		✓				
HT-7134	▲	●	●				✓					
HT-7150	▲	●	●			✓			✓			
HT-7257	▲	●	●	✓								
HT-7385	●	●	●	✓								
HT-389	●	●	●		✓	✓		✓				
HT-7516	●	●	●						✓			
HT-7673	●	▲	●					✓				
HT-7741	●	●	●			✓						
HT-7803	●	●	●								✓	

● Acceptable ▲ Warning ● STOP! ✓ Yes



Performance Charts

Hybrid	Days	GDU	Population	Vigor	No-till	Drought	Health	Lodging	Dry Down	Ear Type	High Pop.	Low Pop.	Plant Ht.	Ear Ht.	Soil Type	Grain quality	Corn on Corn
HT-212	112	2795	29-34M	7	7	8	7	8	7	Semi Determinate	8	7	MS	M	L-HP	8	8
HT-7261	112	2800	28-34M	6	7	8	7	8	7	Flex-Ear	8	8	M	ML	L-HP	9	7
HT-6930	109	2700	30-36M	7	7	8	7	9	7	Flex-Girth	9	6	M	M	L-HP	8	8
HT-7240	112	2790	28-36M	7	7	8	7	7	7	Semi-Flex	9	8	MT	M	L-HP	9	8
HT-7238	112	2800	29-34M	8	7	9	7	7	7	Semi Determinate	8	8	T	H	L-HP	6	8
HT-7778	117	2950	27-34M	7	8	8	8	8	4	Semi Determinate	8	7	T	MH	L-HP	7	9
HT-6881	108	2690	30-36M	8	7	8	7	8	8	Determinate	9	7	M	M	L-HP	8	7
HT-7181	111	2780	30-35M	8	8	8	7	8	8	Semi Determinate	9	7	MT	M	L-HP	7	7
HT-7381	113	2805	29-36M	7	8	8	8	8	7	Semi Determinate	8	7	M	M	L-HP	9	7
HT-5561	95	2290	32-36M	7	7	8	7	8	8	Determinate	9	5	MS	ML	L-HP	8	5
HT-5917	99	2325	27-33M	8	8	8	8	7	8	Semi-Flex	7	8	MT	M	L-HP	8	9
HT-5908	99	2330	29-34M	7	7	8	7	8	8	Semi Determinate	9	7	M	M	L-HP	7	7
HT-6238	102	2460	28-34M	8	8	8	8	8	8	Flex-Length	8	8	M	M	L-HP	7	8
HT-6341	103	2475	29-34M	8	8	8	7	7	9	Flex-Ear	7	8	MT	M	L-HP	8	8
HT-6522	105	2505	30-34M	8	8	7	8	8	8	Semi-Flex	8	8	M	M	L-HP	7	8
HT-6912	109	2680	33-38M	7	7	8	7	9	8	Semi Determinate	9	5	M	M	L-HP	7	7
HT-7001	110	2735	32-36M	7	7	8	7	8	8	Semi Determinate	9	6	M	M	L-HP	8	8
HT-7134	111	2780	30-36M	7	7	8	7	8	7	Semi Determinate	9	6	M	M	L-HP	7	8
HT-7150	111	2780	30-34M	7	7	7	7	7	7	Determinate	9	7	M	M	L-HP	7	6
HT-7257	112	2790	29-35M	8	8	8	8	8	8	Semi-Flex	8	8	MT	MH	L-HP	8	8
HT-7385	113	2850	28-33M	8	8	8	8	8	6	Flex-Length	7	9	MT	MH	L-HP	9	8
HT-389	113	2850	31-36M	7	7	7	6	8	7	Flex-Ear	8	9	M	M	L-HP	7	7
HT-7516	115	2890	28-34M	7	7	7	7	7	7	Semi Determinate	8	7	T	MH	L-HP	9	7
HT-7673	116	2910	26-34M	7	7	8	8	9	7	Flex-Length	9	9	M	MH	L-HP	7	7
HT-7741	117	2930	26-32M	7	7	7	7	6	7	Semi Determinate	7	8	T	H	L-HP	7	5
HT-7803	118	2965	26-32M	7	7	7	7	7	6	Flex-Girth	7	8	MT	M	M-HP	7	7



- 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.

Wheat

GHT-906 **NEW!**

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-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-930

Top performing, earlier wheat with very heavy test weights and scab tolerance

- High yielding earlier line
- Excellent test weight
- Very good scab tolerance
- Handles stripe rust
- Stands very well
- Pretty variety

Recommended Population: 1.65 million/120#
Recommended Nitrogen: High to very high*

GHT-942

Consistently very high yielding across all areas.

- Excellent adaptability
- Outstanding yield potential
- Very consistent
- Good scab and stripe rust tolerance
- Very good winterhardiness
- Stands very well

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

GHT-935 **NEW!**

Huge top-end yield over a wide geography, plus Head Scab resistance.

- Top yielder
- Head scab resistance reduces spread of infection
- Can do high or low yield environments
- Big full canopy
- Excellent tillering
- Stands very well
- Responds well to fungicide

Recommended Population: 1.65 million/115#
Recommended Nitrogen: Medium to very high*

GHT-948 **NEW!**

Outstanding variety for yield and stability, plus Head Scab resistance.

- Designed for the Midwest and Eastern US
- Absolutely huge top end yield
- Very heavy test weights
- Head scab resistance reduces spread of infection
- Great winterhardiness
- Very strong standability

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

Variety	Maturity	Bearded	Height	Test Weight	Winter Hardiness	Lodging	Leaf Rust	Stem Rust	Polydery Mildew	Septoria	Scab Resistance	Scab Tolerance	Soil Born Mosaic	Barley Yellow Dwarf	Stripe Rust
NEW! GHT-906	Very Early	No	Med-Short	G	VG	EX	G	VG	G	R1, R2	VG	VG	VG	EX	
GHT-930	Med-Early	Yes	Medium	EX	G	VG	G	G	F	S	VG	NA	NA	G	
NEW! GHT-935	Med-Early	Yes	Medium	F	G	VG	G	G	VG	R1	VG	P	G	F	
GHT-940	Medium	Yes	Medium	EX	EX	EX	G	G	G	S	VG	NA	VG	VG	
GHT-942	Medium	Yes	Medium	G	VG	VG	F	VG	G	S	G	NA	NA	VG	
NEW! GHT-948	Medium	Yes	Medium	VG	VG	VG	F	G	F	G	R1	VG	G	P	

P=Poor • F=Fair • G=Good • VG=Very Good • EX=Excellent
Scab Resistance: R1 and R2=type resistance, S=Susceptible

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***Very high nitrogen levels should use split spring applications.**

Soybeans

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
 Frog Eye
 Stem Canker
 Root Knot
 Salt
 Pubescence Color
 Flower Color
 Preferred Soil Type
 Pop.

GT-3580X	3.5	8	8	MB	37"	8	1C	8	8	R3,MR14	MR	NA	NA	NA	NA	NA	Inc	G	P	L-HP	M
GT-3701X	3.7	8	8	MB	37"	8	1C	7	8	R3,MR14	NA	7	NA	NA	NA	NA	Inc	G	P	L-HP	M
GT-3810X	3.8	7	8	MB	40"	7	1C	8	7	R3,MR14	MR	NA	NA	NA	NA	NA	Inc	G	P	L-HP	ML
GT-3970X	3.9	8	8	M	38"	7	1C	8	7	MR3,MR14	NA	NA	NA	7	R	S	Ex/Inc	G	P	L-HP	ML
GT-4220X	4.2	8	8	M	37"	8	S	7	7	MR3,MR14	NA	7	NA	7	S	MR	Inc	G	P	L-HP	M
GT-4430XS	4.3	9	8	MS	42"	8	1C	8	8	R3,MR14	NA	NA	8	9	MS	MS	Ex/Inc	Lt	P	L-HP	M
GT-4540XS	4.5	8	8	B	42"	7	1A1C	8	7	R3,MR14	NA	NA	NA	9	R	S	Inc	Lt	P	L-HP	ML
GT-4750XS	4.7	8	9	MS	43"	8	1C	8	8	R3,MR14	NA	NA	NA	7	R	S	Ex/Inc	G	P	L-HP	M
GT-4860X	4.8	8	8	M	41"	8	1A	8	8	R3,MR14	NA	NA	NA	8	R	S	Exc	Lt	P	L-HP	M
GT-5020XS	5.0	8	8	M	43"	8	1A	8	8	R3,MR14	NA	NA	NA	7	R	MR	Inc	Lt	P	L-HP	M
GT-5400X	5.4	7	8	S	40"	8	S	7	8	R3,MR14	NA	NA	8	8	R	R	Exc	G	W	L-HP	M
GT-6820X	6.8	8	8	MS	45"	8	1A	8	NA	R3,MR14	NA	NA	NA	8	MR	R	Inc	T	P	L-HP	M
GT-245CR2	2.4	8	8	M	37"	8	1K	7	NA	R3,MR14	R	8	NA	NA	NA	NA	Inc	Lt	P	L-HP	M
GT-266CR2S	2.6	7	8	MB	35"	6	1C	6	7	R3,R14	MR	7	NA	NA	NA	NA	Inc	Lt	P	L-HP	ML
GT-300CR2	3.0	8	8	M	38"	8	1C	8	7	R3,MR14	R	NA	NA	NA	NA	NA	Inc	G	P	L-HP	M
GT-334CGO	3.3	8	8	M	37"	8	1C	8	8	R3,MR14	R	8	NA	7	NA	NA	Inc	T	P	L-HP	M
GT-355CRS	3.5	8	9	B	37"	8	1C	9	8	R3,MR14	NA	8	8	9	NA	NA	Inc	G	P	L-HP	M
GT-361CR2	3.6	8	8	M	37"	8	1A	8	7	MR3,MR14	NA	NA	8	NA	NA	R	Inc	G	P	L-HP	M
GT-370CGO	3.7	9	9	MB	37"	8	1K	8	7	R3,MR14	NA	8	NA	7	NA	NA	Inc	Lt	W	L-HP	M
GT-372CR2	3.7	8	8	B	38"	7	1C	8	8	R3,MR14	MR	NA	NA	NA	R	NA	Exc	Lt	P	L-HP	ML
GT-394CR2	3.9	8	8	MB	38"	7	1C	7	7	R3,MR14	MR	NA	NA	NA	R	MR	Exc	Lt	W	L-HP	ML
GT-421CGO	4.2	8	9	MB	36"	8	S	8	7	R3,MR14	NA	NA	NA	NA	NA	NA	Inc	Lt	P	L-HP	M
GT-427CR2	4.2	7	8	M	39"	7	1C	8	7	R3,MR14	NA	NA	NA	7	MS	NA	Inc	G	P	L-HP	M
GT-465CR2	4.6	7	8	M	42"	6	1C	9	6	R3,MR14	NA	NA	6	7	NA	NA	Inc	T	P	L-HP	ML
GT-474CGS	4.7	8	9	B	39"	8	S	8	8	R3,MR14	NA	NA	8	8	R	NA	Inc	Lt	P/W	M-HP	M
GT-476CR2	4.7	7	7	M	43"	7	S	7	8	R3,MR14	NA	NA	NA	8	MR	NA	Inc	Lt	P	L-HP	M
GT-477CR2	4.7	7	7	M	43"	7	1A	7	7	R3,MR14	NA	NA	NA	9	R	MR	Inc	Lt	W	L-HP	ML
GT-485CGS	4.8	8	8	MB	41"	8	1C	8	7	R3,MR14	NA	NA	NA	7	MS	S	Inc	T	W	L-HP	M
GT-516CR2	5.1	8	8	S	46"	8	1C	9	9	R3,MR14	NA	NA	NA	9	MR	S	ToI	G	P	L-HP	M
GT-543CGS	5.4	6	6	M	45"	6	1K	8	7	LR3,MR14	R	NA	NA	8	R	NA	Exc	T	W	L-HP	ML
GT-568CR2	5.6	8	8	M	45"	8	S	7	8	MR1	NA	NA	NA	9	R	R	Exc	T	P	L-HP	M
GT-637CR2	6.3	8	8	MB	42"	8	S	7	NA	R3,MR14	NA	NA	NA	7	S	R	Inc	T	W	L-HP	M
GT-365CLL	3.6	9	9	M	38"	8	1C	8	8	R3,MR14	MR	8	8	8	MR	MR	Inc	Lt	W	L-HP	M
GT-375CLL	3.7	9	9	M	37"	8	1C	8	8	R3,MR14	MR	6	7	8	MR	NA	Inc	Lt	W	L-HP	M
GT-404CLL	4.0	9	9	M	39"	8	1C	8	8	R3,MR14	MR	6	9	8	MR	MR	Inc	LT	W	L-HP	M
GT-428CLL	4.2	9	9	B	39"	8	3A	8	8	R3	NA	NA	NA	NA	NA	NA	Inc	Lt	W	L-HP	M
GT-430CLL	4.3	8	9	MB	40"	8	1K	8	8	R3,MR14	MR	NA	8	8	MR	MR	Inc	Lt	P	L-HP	M
GT-468CLL	4.6	8	9	M	40"	8	1C	8	7	R3,MR14	MR	NA	8	8	MR	MS	Inc	Lt	W	L-HP	M
GT-501CLS	5.0	9	9	MB	41"	8	1K	8	7	R3,MR14	NA	7	7	8	R	R	Inc	G	P	L-HP	M
GT-541CLL	5.4	9	9	M	42"	8	1C	8	8	R3,MR14	NA	NA	7	8	MR	NA	Inc	G	P	L-HP	M
GT-368C	3.6	9	9	MB	37"	8	1C	8	8	R3,MR14	NA	NA	NA	NA	NA	NA	Inc	Lt	P	L-HP	M



Treated Soybean Return Policy - There is no return of treated soybeans.

- Scale: 9=Best, 1=Poor
- Canopy Type: B=Bushy, M=Medium Bush, S=Straight Line
- SCN Resistance: Shows races of cyst resistance, R=Resistance, MR=Moderate Resistance, LR=Low Resistance
- Flower Color: P=Purple, W=White, P/W=Mixed
- Preferred Soil Type: LP= Low Productivity, MP=Medium Productivity, HP=High Productivity
- Phytophthora Resistance: Shows Specific Gene Resistance or S=Susceptible
- Pubescence Color: T=Tawny, G=Gray, Lt=Light Tawny



Soybeans



GT-3580X Mid III - This dominate yielder covers a wide geography because of its ability to perform well in so many environments. If you plant mid-group three soybeans this one works for you, it's simply that versatile. High yielding, great standing, full plant type and strong disease package.



GT-3701X Mid-Late III - Very big top end yield punch throughout the Midwest. Noteworthy characteristics include phytophthora and cyst nematode resistance, SDS tolerance, and very good standability. The kind of variety that can give you new yield records while also giving you weed control options.



GT-3810X Late III - Plant this one for yield and enjoy all the other benefits. It gets up quick in spring and finishes with good height even under stress. The top yield levels remain consistent across many soils and conditions through the Midwest and East Coast. Consistently a top performer.



GT-3970X Late III - The genes driving this one produce top yielding late IIIs and early IVs. Very strong variety from the Midwest to the Mid-South. The agronomic and disease package make it a great fit for the area including some salt tolerance. A very easy cutting variety that delivers top yields.



GT-4220X Early IV - A record setting yielder for the Midwest and beyond. A well behaved, moderately sized plant that stands well all season. It moves quickly from planting through emergence and offers protection against Frogeye leaf spot and Root Knot nematodes.



GT-4430XS Early-Mid IV - This RR2Xtend/STS bean can handle some really tough situations from the Midwest, the Mid-South and through most soils in the Delta. That includes Frogeye, SDS, cyst, Charcoal Rot and even some salt issues. Plus it's quick to get established and consistently strong on yields.



GT-4540XS Mid IV - A very versatile number for the southern Midwest, Delta and back East. A lot of strong agronomics protect a huge yield punch and combine to offer growers tremendous stability. Certainly an excellent choice with stacked herbicide tolerance.



GT-4750XS Mid-Late IV - A high yielding variety from the Midwest south to the Delta. This line emerges well even in more saturated soils due to great phytophthora resistance and field tolerance. You will like this one in the fall too with its very good standability and resistance to green stem.



GT-4860X Late IV - A versatile variety that is a great fit in many regions. It works well from the Midwest back to the East Coast and is even a top pick for the Delta's various soils. It is a number with a solid disease package and very strong standability. The most impressive point of this number however is the outstanding yield potential.



GT-5020XS Early V - This indeterminate handles the concerns of the loams to mixed soils of the Delta, East Coast and the Midwest. It offers resistance to Stem Canker, Root Knot and Phytophthora. It carries good SDS, Frogeye and Cercospora scores and of course resistance to cyst nematodes. Plus you can spray it with glyphosate, dicamba and Synchrony.



GT-5400X Early-Mid V - A strong determinate for the Delta and East Coast, especially on loams to mixed soils. Resistance to Stem Canker and Root Knot are accompanied by very good Frogeye and Cercospora scores. It is even an excluder for salt and has protection against Charcoal Rot. Yes, it has all this protection and still yields well!



GT-6820X Late VI - Here is a variety with a lot of yield power. It's a taller plant with great standability. It gets out of the ground quickly and has a strong set of agronomic characteristics. It performs well at various populations, but favors the narrower rows



GT-245CR2 Mid II - Across the board performer. The disease package and consistent top yields are why farmers from east to west make it their first choice. The bigger plant type, standability and strong agronomics fit very well on many farms.



GT-266CR2S Mid II - GT-266CR2S has an impressive disease package for the upper mid-west and Great Lakes region. It reaches canopy quickly in narrow or wide rows when compared to other varieties. The agronomic package is solid so no need to over-populate this number to achieve maximum yields.



GT-300CR2 Early III - The dominant yielding early group III. Very complete disease package for its area of adaptation. Big, aggressive growing plant type with the standability to go with it. Works anywhere you would want a 3.0 to go



GT-334CGO Early III - A consistently strong performer. It packs plenty of yield punch for the best conditions and stress tolerant for the more challenging. The disease package covers all the important concerns including Brown Stem Rot resistance and very good scores on SDS and white mold.



GT-355CGS Mid III - Here is a glyphosate/STS tolerant variety that reliably brings in high yields. The agronomic composition includes a fast-emerging, wide canopy supported with strong standability and pods that don't shatter. Along with that is a protective disease program that ensures performance.



GT-361CR2 Mid III - GT-361CR2 offers unique genetics and characteristics while maintaining top yields. It gets out of the ground quick, stands well, and keeps its height even under drought stress. Consistently a bean at the top.



GT-370CGO Mid-Late III - A really well designed variety. It displays a solid disease package including frog eye, white mold and SDS. Excellent standability and branching allow it to perform at all row widths. GT-370CGO also has the yield potential to perform well in any of these environments.



GT-372CR2 Mid-Late III - GT-372CR2 works well from the mid-west to the Atlantic ocean posting impressive yield marks all across the way. It is aided by an outstanding disease package and is an excluder for salt. It's a wide body plant with the genetics for yield.



GT-394CR2 Late III - The complete package for high yields! It has an incredibly broad disease resistance group. There are no holes in the agronomics, including being a salt excluder. It also spikes to the top of the yield trials. When all this is combined you can be confident of high yields.



GT-421CGO Early IV - A very good standing, wide-body variety. Its quick to get out of the ground and canopy the rows, and does not shatter. The disease package is strong with the cyst nematode resistance and phytophthora tolerance to protect its yield potential.



GT-427CR2 Early IV - This is an early group IV that works from Kansas to Maryland and from Illinois to the Delta. Not too many in this maturity can say that. GT-427CR2 is a well rounded variety that is going to perform well in many different soils and farming operations.



GT-465CR2 Mid IV - GT-465CR2 is a big red bean bred to handle the tough conditions in the clay soils of the Delta. It does well getting a stand established and fights off phytophthora and frog eye. And of course it finishes with that beautiful red color at harvest.



GT-474CGS Mid-Late IV - GT-474CGS works best in loams and higher yielding soils. It's just an average height bean but does maintain size under stress. It performs very well from Missouri and Illinois through the mid-south and on into the Delta loams and mixed soils. It's stacked with glyphosate and STS tolerance.



GT-476CR2 Mid-Late IV - Works very well on mixed soils from the Bootheel of Missouri on through the Delta. It offers good size and still carries some standability. It becomes a favorite on farms with varying soil types that need something that can handle it all.



GT-477CR2 Mid-Late IV - Super yielder! Performs well over all soil types. Has a pretty complete set of agronomics behind it although the standability can get a bit relaxed if pushed on population. This is a very versatile blonde bean.



GT-485CGS Late IV - Great looking with height and branching. Consistently at the top concerning yields over a large area. It offers glyphosate and STS Tolerance along with a solid disease package.



GT-516CR2 Early V - This is a big indeterminate plant that stands well. It works on all Delta soil types and performs up into the East Coast. It has impressive SDS, frog eye, and phytophthora scores, and even shows light salt tolerance.



GT-543CGS Early-Mid V - GT-543CGS has a great combination of agronomic tolerances and of course yield. Maximum phytophthora resistance, good against SDS and frog eye, excluder of salt, cyst resistant, STS tolerant and stem canker resistant. A top choice for great yields wherever you plant them.



GT-568CR2 Mid V - A big, growthy determinate variety that is a solid fit for the East Coast and loams to mixed soils in the Delta. It is a salt excluder, Roundup Ready 2 Yield bean that handles stem canker, frog eye and root knot.



GT-637CR2 Early-Mid VI - This is a very good standing variety with a wider canopy and moderate height. It begins covering the rows early with quick emergence, and carries protection against frog eye, cyst nematodes and root knot. Plus it's an eye-appealing, tawny plant with an even top profile.



GT-365CLL Mid III - Wow, this bean really has you covered! Just look at that agronomic and disease package! Above that it has the top end punch to lead the test plots. Just about everything one could ask for in a 3.6 variety.



GT-375CLL Mid-Late III - The most remarkable thing about the variety is its very high yield potential. In good years or tough that yield remains consistently high. Offers a complete disease package with strong emergence and standability.



GT-404CLL Early IV - Loads of yield across a wide range of environments! It has you covered on all major disease issues concerning this maturity; even frog eye, root knot and stem canker. The plant has enough size to canopy stress soils and enough standability to handle rich soils.



GT-428CLL Early IV - GT-428CLL is a high yielding Liberty bean in an aggressive growing plant. Good sized canopy, and cyst resistant. Very good tolerance to SDS, and phytophthora resistant. Great choice for no-till plus strong standability.



GT-430CLL Early-Mid IV - GT-430CLL has the most complete disease package of anything in the lineup. If you are having issues raising good soybeans try this one. Normally a protective bean like this struggles in high yield environments, this one raises the bar on top-end yield.



GT-468CLL Mid IV - GT-468CLL is best positioned as a high top-end variety with stress tolerance. Although it has yield breaking potential it does well in heat. GT-468CLL also has a very good protection system bred into it concerning most foliar and root challenges



GT-501CLS Early V - Talk about a bean that has the bases covered! This one is resistant to cyst, phytophthora, root knot, and stem canker. Its tolerant to frog eye, white mold, charcoal rot, SDS and iron chlorosis! On top of that, it yields! If it doesn't work where you plant it, don't plant beans there.



GT-541CLL Early-Mid V - A big indeterminate plant that has built-in stress protection and yield. Outstanding phytophthora resistance, high drought tolerance, very strong cyst nematode and SDS scores help ensure the big top end yield potential is achieved. A great choice from its rapid emergence all the way through late harvest standability.

GT-368C Mid III - This conventional soybean runs with our best traited soybeans offered in the brochure. It is adaptable to many different soil types and planting practices. It's multi-year performance makes it a variety we feel confident in putting up against anything.



Platinum Alfalfa

Heavy tonnage of high quality forage is the primary use of "Platinum". Its outstanding set of agronomics build a very persistent alfalfa with a long life expectancy. "Platinum" is bred for adversity, but of course it performs best in well-drained soils that are highly productive. This is due in-part to its rapid re-growth after cutting. It is an excellent choice for baling or grazing.

Performance

Great Heart Platinum is at the very top of tonnage production across the United States when compared with today's top competitors. This yield advantage is gained through rapid re-growth following each cutting through the year plus quick early spring growth coming out of dormancy. This top performance continues through the life of the stand due to its tough winter hardiness and pest tolerance, plus its ability to withstand traffic compaction.

Survivability

Platinum is a fall dormancy 4, which is the optimum maturity for our area. It offers very good winter hardiness and is resistant to all major alfalfa diseases with high resistance ratings to Bacterial Wilt, Verticillium Wilt, Fusarium Wilt, Anthracnose, Phytophthora Root Rot, and Race 1 Aphanomyces. It also carries resistance to Race 2 Aphanomyces, Stem Nematode, Northern Root-Knot Nematode, and Pea Aphids. It has moderate resistance to Blue Aphids. Platinum works across the United States wherever fall dormancy 4 is recommended. Platinum performs in all soil types and management practices but responds very well to higher yield environments.

Quality

Platinum is a fantastic choice for making money with alfalfa. Its heavy yields and very high digestibility give it top milk-per-acre numbers. Its high-leaf-to-stem ratio makes very eye-appealing and valuable bales for marketers as well. From first cutting on through the season, Platinum makes top quality alfalfa.

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 Piracy Policy / No saved 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 2016 Technology Use Guide Addendum to include Roundup Ready 2 Xtend® Soybean. U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsantotechnology.com>

MONSANTO MAKES NO REPRESENTATION OR WARRANTY REGARDING ANY PRODUCT NOT MANUFACTURED AND MARKETED BY MONSANTO WHICH IS USED IN ROUNDUP READY CROP(S) AND DISCLAIMS ALL RESPONSIBILITY FOR CLAIMS OR DAMAGE ARISING OUT OF THE USE OF SUCH PRODUCTS.

Return Policy: 50% of Non-treated order maybe returned. All returns must be delivered to the plant by June 15 when the warehouse is fumigated. No returns on bulk or mini-bulk units due to labeling laws.

1 Roundup, Roundup Ready, Roundup Ready 2 Yield, and Genuity are trademarks of Monsanto Company.

2 Liberty Link® is a registered trademark of Bayer® Company.



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



As of this printing no dicamba herbicide product has been approved for commercial in-crop use with Roundup Ready 2 Xtend® soybeans. **DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO Roundup Ready 2 Xtend® Soybeans in 2016** unless you use a dicamba herbicide product that is specifically labeled for that use in the location where you intend to make the application. While no in-crop use of dicamba is currently approved, some dicamba products may be labeled for weed control prior to planting a crop and subject to minimum plant back restrictions. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO MAKE AN IN-CROP APPLICATION OF ANY DICAMBA HERBICIDE PRODUCT ON Roundup Ready 2 Xtend® Soybeans, OR ANY OTHER PESTICIDE APPLICATION, UNLESS THE PRODUCT LABELING SPECIFICALLY AUTHORIZES THE USE. 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 and follow all pesticide product labeling.

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. Certain products have been approved for import into key export markets with functioning regulatory systems. Roundup Ready 2 Xtend soybeans have been approved for cultivation in the U.S. and Canada, and for import in Australia/New Zealand, Colombia, China, Japan, Korea, Mexico, Taiwan, and Vietnam. The single events in Roundup Ready 2 Xtend soybeans have been approved for import in the EU. As of February 2, 2016, E.U. stack approval for Roundup Ready 2 Xtend soybeans is in the final stage of approval and is expected but not guaranteed to be received in the near future. 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. Growers should refer to <http://www.biotradesstatus.com/> for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Biotechnology Industry Organization.

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

IMPORTANT IRM INFORMATION: Genuity® 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. Always read and follow IRM requirements.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready 2 Xtend Soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your Monsanto dealer or refer to Monsanto's Technology Use Guide for recommended Roundup Ready® Xtend Crop System weed control programs. Acceleron®, DroughtGard®, Genuity Design®, Genuity®, RIB Complete and Design®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup Ready 2 Xtend®, Roundup®, SmartStax and Design®, SmartStax®, VT Double PRO®, and VT Triple PRO® are trademarks of Monsanto Technology LLC. LibertyLink and the Water Droplet Design® is a registered trademark of Bayer. Herculex® is a registered trademark of Dow AgroSciences LLC. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners.

>70%
FEWER DAMAGED
KERNELS MEANS
MORE
YIELD

VT Double PRO®
RIB COMPLETE®

VT Double PRO® technology delivers
>70% fewer damaged kernels versus the
competition.*

For consistent performance at harvest, plant the corn technology
with dual effective modes of action for maximum control
of corn earworm and other above-ground insects.

Get consistent performance.

See how farmers in your area are managing risk and increasing yields.
Learn more at genuity.com/VTDoublePRORIB/testimonial or ask your seed rep.

*2013 and 2014 Monsanto Technology Development Trials. Average results from head-to-head trials comparing damaged kernels from VT Double PRO® technology vs. Herculex® 1. Individual results may vary. Important: RIB Complete® are blended seed corn products that require the planting of a structured refuge in the Cotton-Growing Area. Always read and follow IRM, grain marketing and all other stewardship practices and pesticide label directions. Details of these practices can be found in the Trait Stewardship Responsibilities Notice to Farmers printed in this publication. ©2015 Monsanto Company



The First 25 Years...

of listening and delivering

In the spring of 1991 the first Great Heart soybeans were planted. Corn was added the year after that, followed by wheat and alfalfa. And so it began.

There were just three soybean varieties that first spring; G-281, G-322 and G-383. Looking back at the descriptions of them you see such terms as “Excellent yields”, “Great standability”, “Cyst bean”, “Good phytophthora tolerance”, “Consistent across varying soil types”, “Metribuzin tolerance”. More has remained the same than has changed.

Certainly Great Heart was addressing growers’ concerns of soybean production of that time. Of course yields, standability, pest resistance, consistency and chemical tolerance are of top importance today as well. Maybe even more critical is Great Heart’s ability to listen to what is important to you, and develop lines that perform on your farm.

That ability to listen to what you want and deliver it to the best of our ability is the driving force behind Great Heart Seed. It’s what makes us different from other seed companies. It is how we fulfill our mission statement “Great Heart Seed is dedicated to providing the American

Farmer with the most profitable corn, soybean, wheat and alfalfa lines.” It goes beyond the seed to all parts of how we do business.

Paying attention to what you need gives us guidance on the important decisions we make moving forward. It’s like a marker trail at planting time, clearly showing where to go next. Just as new technology may affect how your planting tractor is guided through the field, the seed business constantly changes as well. Generally the change is good, but not every change is positive for your operation; and which is the best option to take? Our questions are really pretty similar, fortunately we listen to you when deciding. Then we focus on the products, programs and support needed to deliver the best solution to you.

Looking back over the first 25 years, the success really seems to come down to listening intently and working hard to deliver. Looking forward, it remains the best path. We sincerely appreciate your guidance and support over the years, and with it we will continue on.



Great Heart Seed

220 West Washington St.
Paris, Illinois 61944
Phone (217) 465-4132
Toll Free (877) 243-2071