



The choice
is simple.

2013
product
selection
guide








The choice is simple




Dear Grower,


Compare our checklist  to anyone else. The choice is simple.

 **Take a look at our new “My Farms” program.** No more guessing. This easy to use computer program allows a separate decision for every farm as it analyzes each soil type and it's productivity while determining your concerns for pest pressure and preferences for herbicides, anticipated planting date and harvest dates. Then **My Farms** recommends up to 4 products for consideration and if they should have a refuge, it will recommend appropriate choices for that too. **My Farms** from Burrus will compute the correct number of units of each to maximize your profitability. **My Farms** is free to growers growing their business with Burrus or are 100% committed to us already!


 **For 2013, Burrus again blazes a new trail.** We're distributing a new brand of seed corn with Agrisure traits called **Catalyst**[™]. Watch the test plots this fall and expect to see exciting results! In the old days, growers used to buy seed from three sources to make sure they had diversification. Today with the supplier information stamped on the bags, it is easy to diversify genetics and traits and gain the higher volume discount by ordering all your needs from Burrus.

 **Just pour and plant. The single-bag solution.** We offer performance, convenience and compliance all in just one bag! We're excited about the Optimum[®] AcreMax[®] and Optimum[®] AcreMax[®] Xtra systems with the convenience of a single bag refuge, and for those continuing to use the Optimum[®] AcreMax[®]1 and AcreMax[®]RW system that do not need granular soil insecticides. The Agrisure[®] 3111 Vipitera[®], & 3000 GT and Herculex[®] Xtra offerings still need a 20% refuge as a standard, but touts a full battery of

maturities to fit across all soils. Utilize the combination that brings the ultimate in yield to your farms.

 **100% Free replant has been the “buy-word” at Burrus.** 100% free replant has been the buy word at Burrus for 77 years and will again be an important feature.

If you replant using the same trait package and supplier, there will be no charge for replant seed corn, seed treatment or even the trait, according to the availability of seed. This generous policy, 100% Free replant is like unemployment. Nation wide it may be 8% but when you are unemployed it is 100%. Soybean replant is also available at 100% free for buying PowerShield[®] treated beans. Enjoy this benefit when you buy product from the Burrus portfolio.

 **We stand committed to you.** The ag industry headlines seem to remind us daily that independent, family-owned seed companies face an uncertain future with unknown challenges. So how does Burrus/Hughes forge ahead? Tom Burrus, president, says it simply: “Now more than ever, our mission is clear. We believe we are an important choice for growers and that we are making a difference farm after farm. Competition made America great and is vital to the integrity of the ag industry. We count it a privilege to provide the very best for our customers in seed and service.....everyday is a thrill, everyday is an adventure.”

Successfully,

Tom Burrus David Hughes

Tom Burrus and David Hughes

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Power Plus[®], Optimum[®] and Acre Max[™] are trademarks of Pioneer Hi-Bred.

Catalyst is a Syngenta brand distributed by Burrus.

Catalyst[™] is a trademark of Syngenta Group Company.



THINK PERFORMANCE

Growers today are looking for hybrids that stand up, yield, and dry down. Performance begins with quality; no one has better people or facilities than Burrus. Quality is not just technique, it is fundamental because we are committed to being the best. Never in our 77-year history have we offered such a diverse and complete line up of products to meet growers' needs for insect protection, herbicide resistance, or plain old bin bustin' yield. Whether you measure it in the bin, on the scale, with your eye or the combine monitor, Burrus outperforms the competition. If you aren't growing Burrus now, it's time to prove it to yourself.

THINK TECHNOLOGY

With today's need for faster, easier, more effective control measures, using technology to control yield-robbing pests only makes sense. Burrus delivers more than just seed, whether you need to control European corn borer, corn rootworm, a list of secondary insects, or use broad spectrum weed control with Roundup® and Liberty® herbicide resistance. We have the technology in, or on the seed to make your life easier. Burrus will help you choose the right combination for pest control and simplicity—plus performance—to make your operation more profitable. Our commitment to **My Farms** demonstrates this message loud and clear.

THINK VALUE

At Burrus, we measure success by customer satisfaction. We sell solutions for your farm. Burrus and Hughes deliver a value package of outstanding performance, superb quality, and exceptional service. We focus on the fundamentals, guarantee you a growing start with our 100% free replant policy, and provide season-long agronomic advice. Ultimately, we strive to bring you the highest return on your seed investment dollar. Look to the Burrus team to bring you honest, straightforward information that will increase your profit potential. Our customers feel like a part of the Burrus family. We invite you to begin to experience the value Burrus delivers.

THINK BURRUS

The Burrus mission is to provide quality seed, consistent performance and exceptional value, ensuring the ongoing success of customers.

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The Burrus Company Story

Burrus Hybrids was founded in 1935 by two brothers who believed in the value of service and integrity. Still farm-family owned and managed over half a century later, Burrus Hybrids has built on a tradition of growing excellence to become the successful regional hybrid seed supplier it is today.



The bagging line was Orval Fricke and Norman Kleinschmidt bagging seed in 1940. That style of cloth seed sack was only used in 1939 and 1940.

When a company stands the test of time through a launch on the coattails of the Great Depression, economic hardships and successes and the creation and utilization of inventions and innovations, much has been attained. Burrus Hybrids has had the right ingredients to fuel the successful and growing, seed business that it is today.

The history of Burrus highlights the events, people, and places that contributed to the growth and prosperity of a family seed business. From the first planting of hybrid seed corn in 1935, to the formation of the Associated Growers in 1939, to the launch of an interactive website in 2003 and every farming modernization in between, the Burrus history is the result of hard work and commitment of dedicated men and women. Burrus Hybrids has truly stood the test of time as a trusted partner in the farming industry.

In 2008, Burrus acquired the Hoblit Seed Co. sales and marketing from the McKown family. Again their history is rich as described by their ancestors; The Hoblit Seed Company is located near Atlanta, Illinois, on land that has been owned by the family for six generations. In 1826 Samuel Hoblit, together with his father and a Baptist minister, came to Illinois looking for land. The three had

1935

1945

1955

1965

only two horses between them and took turns riding, the third walking along side. In 1829, Samuel preempted forty acres of timber and entered forty acres of prairie adjoining, paying the latter for one dollar and twenty-five cents per



The day Burrus completed the purchase of Hoblit Seed. R to L Jack, Jim McKown, Todd & Tom Burrus, Rick and Dick McKown, Kevin Burrus and Tim Greene.

acre at the land office in Springfield. He once cleared the land and built a small log cabin and began life with his wife, one child, and one dollar and fifty cents.



The tractors are from the 1950's at Burrus.

It was to this humble farmstead that Abraham Lincoln came when he rode the eighth judicial circuit as a lawyer. Abraham Lincoln often stayed with friends while traveling between Springfield and Bloomington. On one occasion in 1858, Lincoln stopped to spend the night with the



1975

1985

1995

2000

2005

2010

Hoblit family only to find that a fire had forced them out of their home. They were living in temporary quarters in the carriage shed. Mr. Hoblit apologized and offered to find Lincoln other lodging. Lincoln refused the offer and spent the night in the carriage shed. This shed still stands on the farmstead and was commemorated by a Lloyd Ostendorf painting in later years.

In 1945, Samuel Hoblit's great, great grandsons, Frank, Alex, and Joe still lived on the original family farm near Atlanta. At that time, the Hoblit brothers became interested in the promise held by the infant seed industry. The brothers formed Hoblit Seed Company, secured seed lines and produced their first hybrid seed corn. Their corn hybrids were touted as "the blue bloods of the cornfield" thus prompting development of the crown and corn ear logo. They developed a logo at that time featuring an ear of corn sticking through a jeweled crown with the word "Hoblit" written across the band. This logo remains a proud part of the company identity today. The brothers originally produced all their seed on land the family owned and sold their crop to neighbors. Only about half the seed corn the company sells comes from fields near Atlanta. The rest is produced under irrigation near Manito.

In 2009 Burrus announced its distributorship with DuPont/Pioneer for the Power Plus® brand. Later that fall they also announced the distribution of Power Plus® Soybeans too.

In 2010 Burrus Hybrids created a strategic alliance with Hughes Hybrids of Woodstock, IL. The grandsons of Earl M. Hughes, founder of the company want to continue to operate in the seed business, joined forces



Celebrating Martin Burrus's 60th crop of seed. Tim Greene, Tom, Martin and Todd Burrus look on.

with the Burrus Bros & Associated Growers organization. Again the Hughes history is deep.

In 1929, Earl M. Hughes sold his first lot of barley seed. At that time, the majority of McHenry County farms were dairies. Hughes was no exception and milked cows, fed beef, raised chickens, and farrowed hogs. In addition, Earl specialized in raising seed oats for many years. By the time of World War II, Earl was growing hybrid seed corn for sale. In subsequent years, Hughes farm produced seed was shipped to the east coast by railcar to retail seed companies. In 1967, the Hughes Hybrids brand was formed to retail the then new single cross corn hybrids directly to farmers. During the 1970's and 1980's the Hughes Hybrids brand grew rapidly with the success of products such as 39-A, 5404, and 5870.

In the 1990's, Hughes brand soybeans were developed. Today, Hughes markets locally-adapted corn, soybean, and alfalfa products to farmers in Northern Illinois, Southern Wisconsin and Northeastern Iowa. Over the last seventy-five years, farming has changed, but the principles that have kept Hughes growing have stayed the same. We have kept our focus on products and service for our local area and have never wavered. We are farmers in the business of serving farmers. In 2011, another distribution agreement was signed with Syngenta. This is one more step in assuring growers the Burrus umbrella of products are the highest caliber genetics and traits in the seed industry today as well as into the future.



Earl M. Hughes Sr., circa 1952.



2012

The Burrus Company Today



Today, Tom & Todd Burrus have worked together for over 35 years and are fortunate to have Kevin who is in charge of seed production, Martha Krohe, (Todd's daughter) in administration and Tim Greene (Tom's son-in- law) who manages part of the sales team, taking more of the responsibility. On the Hughes side of the operation, David is active in our overall management, Jim is one of our key researchers and Don Hughes is responsible for the production and conditioning of our seed corn and soybeans in the North. This is a strong team with a blend of experience and new ideas to bring to the organization.



Tom Burrus



Todd Burrus



Tim Greene



Martha Krohe



Dave Hughes



Don Hughes



Jim Hughes



Kevin Burrus

The seed industry has changed over the decades and the Burrus organization has continued to adjust with the times and still bring the quality, service and support our customers and dealers have come to appreciate.

Burrus® Teams with MyFarms to Increase Yield through the first Data-Driven Farming System®

“Farmers in general are overwhelmed when picking up a seed catalog today,” said Tom Burrus. “The choices and technologies are so plentiful that growers sometimes don’t know what to do, especially when a multitude of soil types across their farms are factored in. The real beauty of MyFarms is that it simplifies the selection process for the farmer and makes a recommendation not just for a choice, but for the most productive choice.”

Growers have been seeking clear product placement guidance from seed suppliers for years, and Burrus Hybrids is pleased to deliver the first fully integrated field-level planting plan to help growers maximize yield.

Burrus is using the Data-Driven Farming System by MyFarms to combine proprietary product knowledge with the data farmers own and manage to improve crop production. MyFarms was created to make it safe and easy for family farms and their advisors to increase yield by embracing Data-Driven Farming® practices such as site-specific hybrid placement and planting rates.

A Burrus product recommendation now leverages proprietary test plot data and product ratings to help customers quickly discover the best seed variety and planting rate for each field. The solution combines on-farm data such as soil types, field and equipment details, and farm-specific management practices with regional



product performance ratings managed by Burrus to rapidly find the best product combination for each field. If the grower selects a product that needs a refuge, choices for correct refuge options popup with the recommended amount to meet EPA guidelines.

“We’re committed to delivering the best solutions for the quickly evolving needs of advanced crop producers,” said Burrus. “The MyFarms platform was designed by fourth-generation corn farmers who bring hands-on production experience that only a farming heritage can provide. Together we have broken new ground that I expect other segments of agriculture will soon embrace.”

“We are pleased to work with

such a well-respected name as Burrus Hybrids, which has assumed an impressive leadership position in the seed industry,” said Chris Fennig, managing director of MyFarms. “By proactively defining the processes and logic needed to automatically leverage its deep in-house expertise, Burrus can now deliver clear agronomic guidance to customers with each bag of seed.”

Seed performance can vary dramatically by soil type and production management method. The Burrus and MyFarms partnership is enabling growers to make decisions that increase profitability while maximizing the world’s food, fuel and fiber supply.



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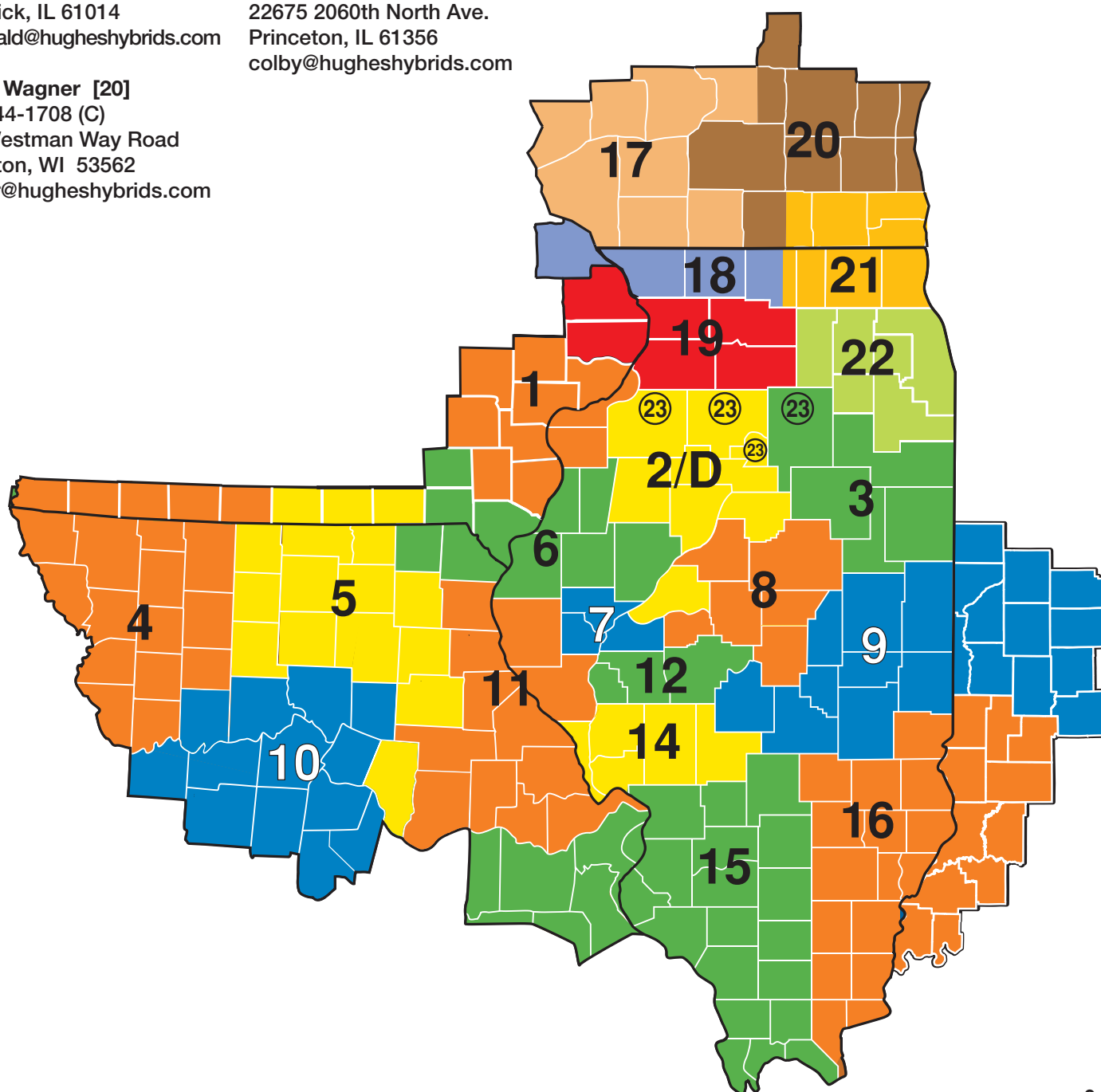
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Single-bag refuge is here in New Optimum® AcreMax® products!

The ultimate in technology preservation has arrived. The next generation of integrated refuge products - Optimum® AcreMax® and Optimum® AcreMax® Xtra insect protection - allow growers to meet all refuge requirements with a single-bag product, delivering convenience for insect refuge management (IRM) and offering two versions for grower choice.

Optimum® AcreMax® products provide above-ground protection, while Optimum® AcreMax® Xtra products provide above-and-below-ground protection. Both can assist in increasing over all farm yields by reducing refuge and helping to ensure durability of important traits through built-in IRM compliance.

Above-ground protection:

Power Plus® brands 7U15AM-R™*, 6F72AM-R™*, & 7P44AM-R™*

More solutions and choice from Burrus! For above-ground only protection, Optimum® AcreMax® products include Herculex®I stacked with YieldGard® Corn Borer traits. Power Plus® brands 7U15AM-R™*, 6F72AM-R™* and 7P44AM-R™* allow growers to eliminate a separate refuge. The systems with the -R at the end of the product brand contain only Glyphosate tolerance, not Glufosinate tolerance.

Above-and-below-ground

protection: Power Plus® brands 6F74AMX™*, 4B32AMX-R™*, 6F73AMX-R™* & 7T30AMX-R™*

For growers needing above-and below-ground protection, there are four Power Plus® brand products with the single bag refuge: 6F74AMX™*, 4B32AMX-R™*, 6F73AMX-R™* & 7T30AMX-R™* brand. Optimum® AcreMax® Xtra insect protection

combines Herculex® XTRA stacked with YieldGard® Corn Borer traits. The systems with the -R at the end of the product brand contain only Glyphosate tolerance, not Glufosinate tolerance. 6F74AMX™* does not have the -R, consequently it has both the Glyphosate and Glufosinate tolerances.

Eliminating the need for separate refuge plantings means more acres are protected with the industry-leading Herculex traits, thus increasing harvestable yield.

Corn borer, corn rootworm refuge in one bag

The ultimate in simplicity! Traditionally, growers had to plant a 20% structured insect refuge of conventional or herbicide tolerant seed to meet EPA refuge requirements when planting stacked Bt traits (CRW+ECB). Optimum® AcreMax® and Optimum® AcreMax® Xtra insect protection will integrate the required corn borer and/or corn rootworm refuge into one bag, allowing growers to plant an entire field or farm with one product, eliminating the need for traditional refuge.

Proven genetic families, technology that works, simplified refuge

Burrus delivers value by maximizing your farm's yields. Approximately 15 million North American corn acres are planted to insect refuge annually. Those acres are at risk from corn rootworm, corn borer and other corn pests causing millions in yearly losses. Planting the Optimum® AcreMax® system enables growers to protect yield on more acres using proven traits.

In the Power Plus® brand, there are three major points:

1. The products are in proven genetic families.



Available in Power Plus products



2. The technology works and has been confirmed effective time and time again.
3. These systems effectively simplify the refuge need.

Grower Value at a Glance

Simplified Refuge + Maximized Farm Yields + Technology Preservation

Optimum® AcreMax® single-bag refuge!

AM-R - Optimum® AcreMax® Insect Protection system with YGCB, HX1, RR2. Contains a singlebag integrated refuge solution for above-ground insects. Do not spray with Liberty®. Not all seeds in the bag are tolerant to Liberty herbicide. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax products.

AM - Optimum® AcreMax® Insect Protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax products.

AMX-R - Optimum® AcreMax® Xtra Insect Protection system with YGCB, HXX, RR2. Contains a single-bag integrated refuge solution for above-and below ground insects. Do not spray with Liberty®. Not all seeds in the bag are tolerant to Liberty herbicide. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax Xtra products.

AMX - Optimum® AcreMax® Xtra Insect Protection system with YGCB, HXX, LL, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax Xtra products.

*Power Plus®, Optimum® and AcreMax® are trademarks of Pioneer Hi-Bred. Optimum® AcreMax® insect protection products available in the Power Plus® brand. Power Plus® brand seed is distributed by Burrus.

**Herculex® insect protection technology by DowAgroSciences and Pioneer Hi-Bred, Herculex and the HX logo are registered trademarks of DowAgroSciences LLC. Liberty®, LibertyLink® and the Water Droplet Design are trademarks of Bayer. YieldGard, the YieldGard Corn Borer design and Roundup Ready are registered trademarks used under license from Monsanto Company.

Nomenclature the more things change... the more they stay the same

Dealers and customers will see the same nomenclature as 2011.

Here is a review of the Burrus® nomenclature to designate seed size and treatment:

HP – this still represents High rate Poncho® 1250 with VOTIVO™ nematicide.

PSR – is recognized as what was previously PX23 in the Burrus system. This seed size is a PowerShield® treated round-sized seed ranging from 38 lbs. and up.

PS3 – is a PowerShield® treated seed that has been sized as either a flat or a round. The size range is 30-39 lbs. This seed size carries a discount.

PS4 – is also treated with PowerShield® and is a flat or round weighing 40-49 lbs.

The new seed treatment nomenclature will be primarily represented by the following:

PS – PowerShield® 250 could be Poncho or Cruiser® (Burrus and Hoblit® brands will be using Poncho for black cutworm)

BX – Burrus Xtra will be treated with Poncho 500 and will be the standard treatment on all Power Plus® brand and Burrus corn products

Many growers have come to realize that a number listed behind the nomenclature marker represents the weight range of that specific hybrid in the Burrus system. For example, a PS4 will weigh between 40-49 lbs. and a PS5 will be in the weight range of 50-59 lbs.

Growers can capitalize on additional seed size discounts within the

Burrus system when those particular sizes are available. Discounts are given for small and extremely large seed sizes. PS3s, PS6s and PS7s have a discount off retail price.

The new Catalyst brand brings different seed sizes and treated with Cruiser 500 for added protection from several insects.

F1 & F2 – are flats packaged in 80,000 kernel units

R1 & R2 – are rounds packaged in 80M units

S9 – (smaller sized kernels) which are packaged in 90,000 kernel units

L7 – (large size kernels) which are packaged in 70,000 kernel units.

Always check the GO sheet for the latest seed size availability. The Go sheets are updated regularly and can be found at www.burruseed.com. If you have questions, don't hesitate to talk to your local Burrus RSM or Hughes DSM. You can also call our office toll free at 877-4BURRUS. Our goal is to get you the correct hybrid in the best seed size available for your management application.

Updated numbering system for 2013

The Burrus numbering system indicates the maturity with the first digit. Multiply the first digit by two then add 100 for the maturity day rating. The example 4A30AM1™*brand, multiply the first digit by 2 = 8 then add 100. This depicts the maturity range as 108-109 day. The second letter and last two digits are at random except for the Optimum® AcreMax® products. Optimum® AcreMax® 1 products carry the letter "A" while the Optimum® AcreMax® RW products are depicted with the letter "M". When the letter is the same and the digits are consecutive indicates a similar family e.g. Brands 6B50™*, 6B51R™* and 6B52S™*. The last letter(s) is silent that was added to the product number for the purpose of reminding growers of the technology included in that product. The chart below explains what each means.







Brands	Maturity	Traits	Designation	Resistance or Control
6F73AMX-R™*	113	Optimum® AcreMax® Xtra	AMX	Herculex Xtra, YieldGard Corn Borer, Roundup Ready only
7P44AM-R™*	114	Optimum® AcreMax®	AM	Herculex I Corn Borer, YieldGard Corn Borer, Roundup Ready only
4A30AM1™*	108	Optimum® AcreMax® 1 insect protection, Liberty Link	AM1	AM1, CRW, Liberty® Link (LL), Roundup Ready® (RR) and 10% blended CRW refuge, Herculex® I/RR2/Liberty tolerant.
4M31AMRW-R™*	108	Optimum® AcreMax® RW insect protection	AMRW	AMRW, CRW, RR and 10% blended ECB refuge – RR only
2796 GTV	104	Agrisure Viptera 3111, Liberty Link & glyphosate	(GTV)	Agrisure broad lepidopteran, Corn Borer, Corn Rootworm, glyphosate and Liberty tolerant
6K24Q™*	112	Quad, Herculex Xtra, Liberty Link & glyphosate tolerant	(Q)	Corn Borer, Corn Rootworm, Liberty & Roundup Ready tolerant
6J36GT3	112	Quad, Agrisure® 3000GT, Liberty Link & glyphosate tolerant	(GT3, Q)	Corn Borer, Corn Rootworm, Liberty & Roundup Ready tolerant
4V43 S™*	108	Stacked, Liberty Link, glyphosate tolerant	(S)	Herculex I Corn Borer, Liberty & Roundup Ready tolerant
6F71 R™*	113	Roundup Ready®	(R)	Roundup Ready, glyphosate tolerant
3310GT	103	Glyphosate tolerant	(GT)	Agrisure® GT, glyphosate tolerant
541L	110	LibertyLink®	(L)	Liberty® tolerant, glufosinate tolerant
6B50™*	113	Conventional non GM	no letters	no traits
1285 GCL	94	Agrisure stack, Liberty Link & glyphosate tolerant	(GCL)	Agrisure corn borer, glyphosate, Liberty tolerant
4685 3111	109	Agrisure Viptera, Liberty Link & glyphosate tolerant	3111	Agrisure Viptera, Liberty & glyphosate tolerant (see above)
6227 4011	113	Agrisure Artesian, Liberty Link & glyphosate tolerant	4011	Agrisure Artesian, Liberty & glyphosate tolerant

Optimum® AcreMax® insect protection products available in the Power Plus® brand.

Optimum® AcreMax® 1, Optimum® AcreMax® Xtra and Optimum® AcreMax® RW insect protection products available in the Power Plus® brand.



2013 Burrus family of products lineup by technology

						
Maturity South/North	AMX	AMX -R	OAM 1	OAM RW-R	HXXR	3111 / GTV
94						
100						2796GTV
102						
102					1H37Q™*	
103						
105						
108/105						
107						
108/105						
108						
108		4B32AMX-R™*	4A30AM1™*	4M31AMRW-R™*		4685 3111
109/112						
110/108						
112/110						
112			6A25AM1™*	6M26AMRW-R™*	6K24Q™*	
112/110			6A12AM1™*			
112						
113						
113	6F74AMX™*	6F73AMX-R™*				
113/110						
114		7T30AMX-R™*	7A18AM1™*			
114						
114			7A52AM1™*	7M53RWR-R™*	7D51Q™*	
116						
Herbicide resistance						
Roundup	✓	✓	✓	✓	✓	✓
Liberty	✓		✓		✓	✓
Insects controlled						
ECB	✓	✓	✓		✓	✓
BCW	✓	✓	✓		✓	✓
WBC	✓	✓	✓		✓	✓
SWCB	✓	✓	✓		✓	✓
FAW	✓	✓	✓		✓	✓
NCRW	✓	✓	✓	✓	✓	✓
WCRW	✓	✓	✓	✓	✓	✓
MCRW	✓	✓	✓	✓	✓	✓
SCSB	✓	✓	✓		✓	✓
SB	S	S				✓
SCB	✓	✓	✓		✓	✓
CEW	S	S	S		S	✓

Refuge needed in the CEW variant area

No refuge needed with EPA approval no refuge needed

20% refuge using OAMRW products

20% using OAMRW products

OAMRW refuge options

OAMRW refuge options

20% refuge with granular soil insecticide

20% with granular soil insecticide

Refuge options

ECB - European Corn Borer, BCW - Black Cutworm, WBC - Western Bean Cutworm, SWCB - Southwestern Corn Borer, FAW - Fall Armyworm, WCRW - Western Corn Rootworm, NCRW - Northern Corn Rootworm



4011

GT3

AM-R

S

GCL
1285GCL

RR2

GT

L

NON GMO

2450GT

3252

3309GT3

3310GT

4373

4607GT3

5456GT3

5124GT

4P11R™*

6132GT3

4V43S™*

5N48™*

6227 4011

6C41S™*

6C40™*

541L

6J36GT3

6J35GT

6J34

6F72AM-R™*

6F71R™*

6G64™*

6F70™*

6B50™*

6B52S™*

7U15AM-R™*

7U17S™*

7P44AM-R™*

7D49S™*

750 750™*

8V08S™*

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no refuge needed

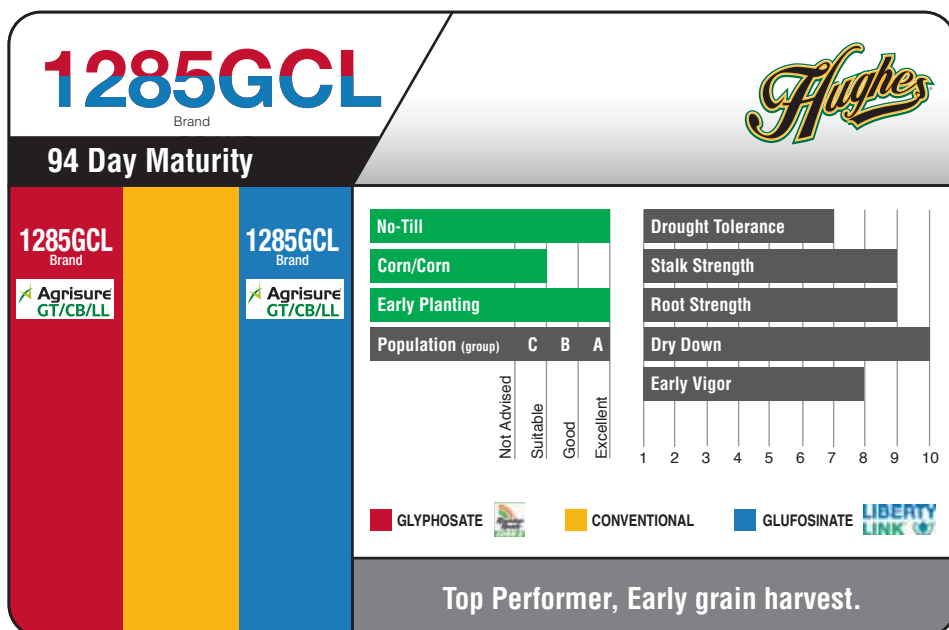
20% with granular soil insecticide

Refuge options



BURRUS/HUGHES committed to quality

At Burrus we are committed to the highest quality possible. We routinely use our "hooded sprayer" to remove any impurities in our seed fields. If the herbicide technology is on the male we spray the chemical on the male rows while protecting the female rows with hoods. If it is on the female, we do the opposite. With more products carrying one herbicide technology on the male and another on the female, we can apply both on one pass with two tanks. Just one more step in providing the ultimate in high quality seed. If you are not planting all Burrus yet, ask your seed supplier if his seed is handled this way.



General Characteristics

Relative days to maturity: 94
 Plant height: 7
 Ear height: 7
 Ear type: Fixed
 Drought tolerance: 7
 Greensnap tolerance: 8

Planting Information

	Rates
Adapt to no-till: 8	
Speed of emergence: 7	
High organic soils: 10	34 – 38
Timber soils: 8	31 – 35
Clay & varied soils: 8	31 – 35
Wet soils: 7	
Sand (dryland): 7	26 – 30
Sand (irrigated): 9	34 – 38

Recommended Refuge Choices

1285GCL Brand

20% corn borer refuge needed

General rating scale:

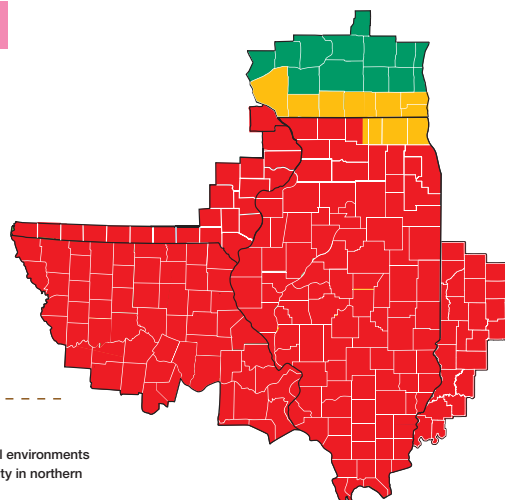
10 = Outstanding
 5 = Average
 1 = Poor

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
 Fall Appearance: 8
 No. leaf blight tolerance: 7
 So. leaf blight tolerance: 7
 Anthracnose tolerance: NA
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: NA

Harvest Information

Grain quality: 7
 Test weight: 7
 Growing Degree Days to Silk: 1128
 Growing Degree Days to 30%: 2180
 Growing Degree Days to 20%: NA
 Dry down rate: 10
 Ear retention: 8
 High tonnage silage: NA
 Harvest residue: NA



Toll Free 877-4-BURRUS • burrusseed.com

GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
 - Place on more productive soils and watch maturity in northern zones
RED - Not recommended

2796GTV 2450GT

Brand

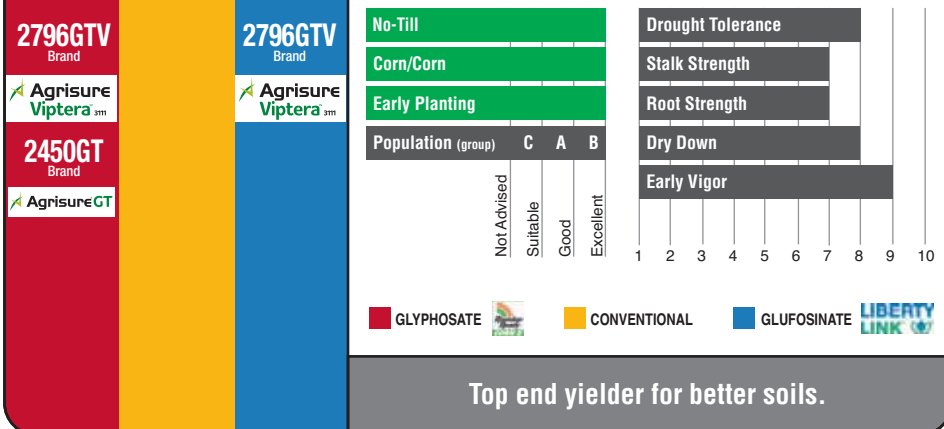
Brand



NEW



100 / 98 Day Maturity



PAGE LAYOUT

For your convenience, we've included comprehensive information on each page pertaining to each particular product family. This should result in easier comparison and, ultimately, more convenient product selection for growers.

General Characteristics

Relative days to maturity: 100/98
 Plant height: 7
 Ear height: 8
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 8

Planting Information Rates

Speed of emergence: 9	
High organic soils: 10	31 – 35
Timber soils: 10	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 9	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Recommended Refuge Choices

2796GTV Brand

20% refuge needed

2450GT
Brand

No refuge needed

Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 5
 Fall Appearance: 8
 No. leaf blight tolerance: 8
 So. leaf blight tolerance: 6
 Anthracnose tolerance: 7
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 8
 Goss's Wilt: 5

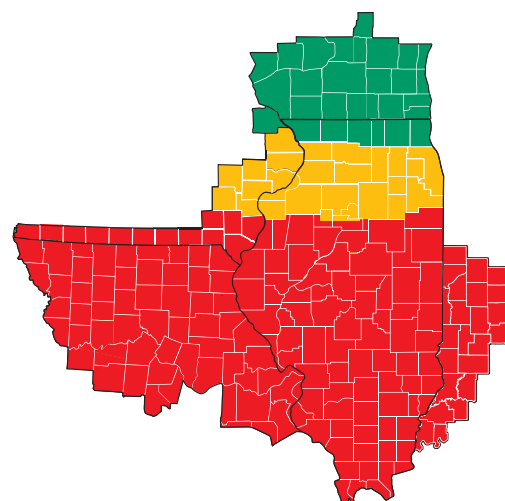
Harvest Information

Grain quality: 8
 Test weight: 7
 Growing Degree Days to Silk: 1220
 Growing Degree Days to 30%: 2300
 Growing Degree Days to 20%: NA
 Dry down rate: 8
 Ear retention: 8
 High tonnage silage: NA
 Harvest residue: NA

"Agrisure Viptera hybrids were approved by the USDA in 2010 and are fully approved for sale and planting in the United States. All traits included in these hybrids are approved in key global markets including Japan, Mexico, Korea and Taiwan, among others. The combination of these traits and the grain and certain by-products from these hybrids may not be approved for all markets. Customers are advised to discuss trait acceptance policies with their local grain handler prior to delivering grain containing biotech traits. For questions about specific countries please contact your sales professional or refer to www.ncga.com/know-before-you-grow/."

General rating scale:

10 = Outstanding
 5 = Average
 1 = Poor



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended

Toll Free 877-4-BURRUS • burrusseed.com





FARMING IN OUR HEART, FIRE IN OUR BELLY

We respect each brand of seed that survives today, but honestly we are different than most of the other companies.

- We are land based and have irrigated all our land that is practical.
- The seed business is not an investment or a job, it is who we are.
- We love what we do.
- We have a state-of-the-art conditioning facility and our own distribution system.
- We understand that we have to fight harder, have competitive products, and provide more information and better service than the national brands.
- We have more fire in our belly, more passion to please you!



Toll Free 877-4-BURRUS • burrusseed.com

NEW

3252

Brand

102 Day Maturity

Hughes

3252
Brand

No-Till	
Corn/Corn	
Early Planting	
Population (group)	A B C
Not Advised	
Suitable	
Good	
Excellent	

Drought Tolerance	
Stalk Strength	
Root Strength	
Dry Down	
Early Vigor	

GLYPHOSATE  CONVENTIONAL  GLUFOSINATE  LIBERTY LINK 

Rugged Non-GM Platform

General Characteristics

Relative days to maturity: 102
Plant height: 7
Ear height: 6
Ear type: Flex
Drought tolerance: 9
Greensnap tolerance: 8

Planting Information

Speed of emergence: 8
High organic soils: 8
Timber soils: 9
Clay & varied soils: 9
Wet soils: 9
Sand (dryland): 9
Sand (irrigated): 9

Rates

28 – 32
26 – 30
26 – 30
21 – 25
28 – 32

Recommended Refuge Choices

3252 Brand

No refuge needed

Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 5
Fall Appearance: 8
No. leaf blight tolerance: 7
So. leaf blight tolerance: 7
Anthracnose tolerance: NA
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NA
Goss's Wilt: 8

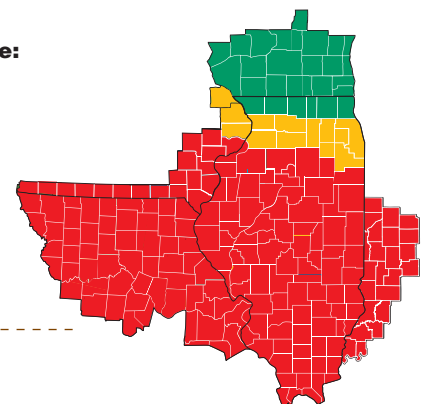
Harvest Information

Grain quality: 7
Test weight: 8
Growing Degree Days to Silk: 1267
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 9
Ear retention: 6
High tonnage silage: 9
Harvest residue: 8

General rating scale:

10 = Outstanding
5 = Average
1 = Poor

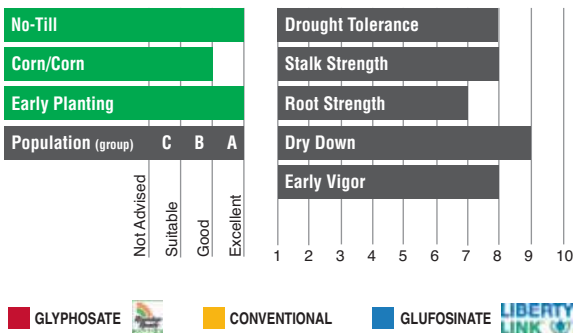
GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
- Place on more productive soils and watch maturity in northern zones
RED - Not recommended



1H37 Q™*
Brand

POWER PLUS

102 Day Maturity



Just stand back and say "Wow"!

General Characteristics

Relative days to maturity: 102
Plant height: 7
Ear height: 7
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 7

Planting Information

Rates

Speed of emergence: 8	34 – 38
High organic soils: 10	31 – 35
Timber soils: 8	31 – 35
Clay & varied soils: 9	31 – 35
Wet soils: 8	26 – 30
Sand (dryland): 8	34 – 38
Sand (irrigated): 10	

Recommended Refuge Choices

1H37 Q™* Brand

20% refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
Fall Appearance: 9
No. leaf blight tolerance: 8
So. leaf blight tolerance: NA
Anthracnose tolerance: 5
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NA
Goss's Wilt: 6

Harvest Information

Grain quality: 9
Test weight: 9
Growing Degree Days to Silk: 1364
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 9
Ear retention: 8
High tonnage silage: 10
Harvest residue: 9

Burrus®, Hoblit® and Hughes® are registered trademarks of Burrus.
*Power Plus® brand seed is distributed by Burrus.
®Power Plus is a registered trademark of Pioneer Hi-Bred.



THE BURRUS MISSION

At Burrus, our mission is to provide quality seed, consistent performance and exceptional value, ensuring the ongoing success of our customers.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



Exceeding your Expectations – that's our goal.

Toll Free 877-4-BURRUS • burrusseed.com





WHEN YOU WIN, BURRUS WINS.

We know how the trait suppliers react when there is not enough competition. Competition is what made America great and will continue to do so in the years ahead. Buying more Burrus is good for you and good for American agriculture.



General rating scale:

- 10 = Outstanding
- 5 = Average
- 1 = Poor

3309GT3 3310GT

Brand

Brand



102 / 103 Day Maturity

3309GT3
Brand



3310GT
Brand



3309GT3
Brand



No-Till	
Corn/Corn	
Early Planting	
Population (group)	B A
	Not Advised Suitable Good Excellent

Drought Tolerance	8
Stalk Strength	9
Root Strength	8
Dry Down	7
Early Vigor	9

GLYPHOSATE CONVENTIONAL GLUFOSINATE **LIBERTY LINK**

High yields and early harvest

General Characteristics

Relative days to maturity: 102/103
Plant height: 7
Ear height: 7
Ear type: Fixed
Drought tolerance: 8
Greensnap tolerance: 8

Planting Information

Rates

Speed of emergence: 9	34 – 38
High organic soils: 10	31 – 35
Timber soils: 10	31 – 35
Clay & varied soils: 9	31 – 35
Wet soils: 9	
Sand (dryland): 8	26 – 30
Sand (irrigated): 9	34 – 38

Recommended Refuge Choices

3309GT3 Brand

20% refuge needed

3310GT Brand

No refuge needed

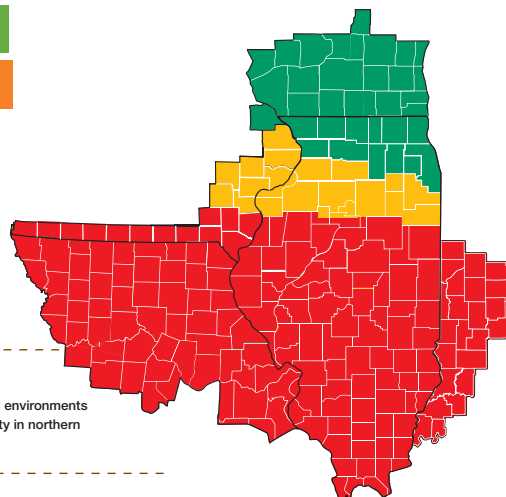
Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
Fall Appearance: 7
No. leaf blight tolerance: 7
So. leaf blight tolerance: NA
Anthracnose tolerance: 6
Gray leaf spot tolerance: 4
Diplodia ear rot tolerance: 6
Goss's Wilt: 5

Harvest Information

Grain quality: 6
Test weight: 7
Growing Degree Days to Silk: 1300
Growing Degree Days to 30%: 2450
Growing Degree Days to 20%: NA
Dry down rate: 7
Ear retention: 9
High tonnage silage: 8
Harvest residue: 7



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GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
- Place on more productive soils and watch maturity in northern zones
RED - Not recommended

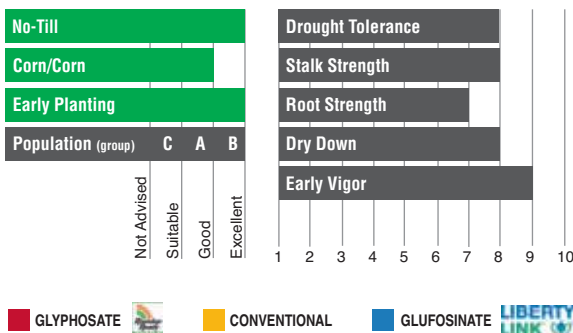
4373

Brand



104 Day Maturity

4373
Brand



Broadly adapted



HILLS, DIPS, AND FLAT OUT BLACK ... WE'VE GOT IT COVERED

Increased effort in product identification and fitting. Working together, Burrus and Hughes are conducting over 40,000 tests to identify the best in genetics, traits, grain profile and agronomic strengths. We have potential access to more germ-plasm than many national brands. Our "stress soil" focus has identified products that work across an array of soils. The multi-national companies only test on flat black ground. The Burrus approach to testing is important if you farm on more than one soil type.

General Characteristics

Relative days to maturity: 104
Plant height: 7
Ear height: 9
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 8

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
Fall Appearance: 8
No. leaf blight tolerance: 7
So. leaf blight tolerance: 7
Anthracnose tolerance: 6
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 6
Goss's Wilt: 7

Planting Information Rates

Speed of emergence: 9	31 – 35
High organic soils: 10	27 – 31
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 8	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Harvest Information

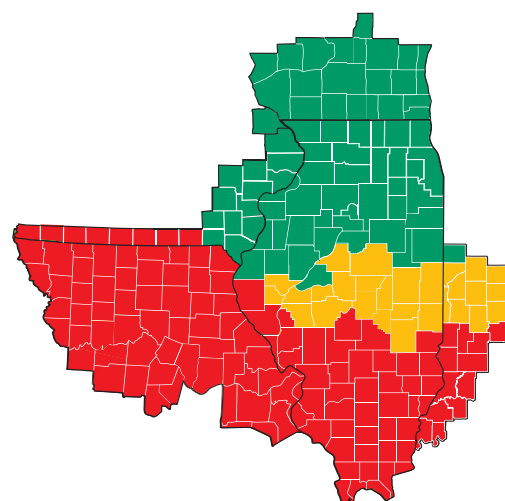
Grain quality: 7
Test weight: 7
Growing Degree Days to Silk: 1280
Growing Degree Days to 30%: 2480
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

Recommended Refuge Choices

4373 Brand

No refuge needed

Refuge Choice



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended

Toll Free 877-4-BURRUS • burrusseed.com





NEW

4607 GT3

Brand



105 Day Maturity

4607GT3

Brand



4607GT3

Brand



No-Till			
Corn/Corn			
Early Planting			
Population (group)	C	A	B
	Not Advised	Suitable	Good
			Excellent

Drought Tolerance	
Stalk Strength	
Root Strength	
Dry Down	
Early Vigor	

1 2 3 4 5 6 7 8 9 10



Looks good in the fall, high top end yields.



PowerShield® TO THE RESCUE

Our PowerShield® treatment is an umbrella brand that represents the finest seed treatment combinations promoting emergence under cold, damp conditions, protecting seedlings from disease and insects, and ultimately adding yield. PowerShield is a unique combination of seed treatment products that have been out performing imitator brands.

General Characteristics

Relative days to maturity: 105
Plant height: 6
Ear height: 6
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 9

Planting Information

Speed of emergence: 7
High organic soils: 9
Timber soils: 9
Clay & varied soils: 8
Wet soils: 8
Sand (dryland): NA
Sand (irrigated): NA

Rates

31 – 35
27 – 31
27 – 31
23 – 27
31 – 35

Recommended Refuge Choices

4607 GT3 Brand

20% refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
Fall Appearance: 7
No. leaf blight tolerance: 6
So. leaf blight tolerance: NA
Anthracnose tolerance: NA
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NA
Goss's Wilt: 7

Harvest Information

Grain quality: 7
Test weight: 6
Growing Degree Days to Silk: 1300
Growing Degree Days to 30%: 2510
Growing Degree Days to 20%: NA
Dry down rate: 7
Ear retention: 8
High tonnage silage: 7
Harvest residue: 7



General rating scale:

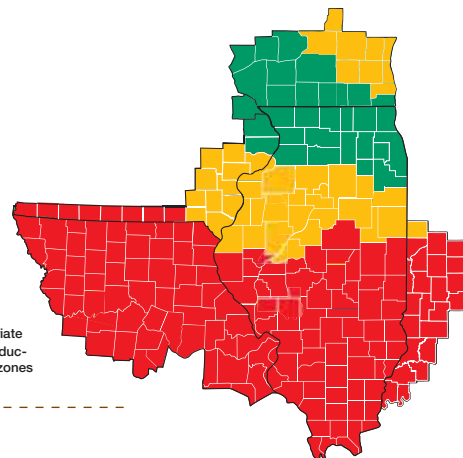
10 = Outstanding
5 = Average
1 = Poor



<< Scan now!

THINK BURRUS
check out new products!

GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



5124 GT 5456GT3

Brand

Brand



107 Day Maturity

5546GT3

Brand



5124 GT

Brand



5546GT3

Brand



No-Till

Corn/Corn

Early Planting

Population (group)

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

Dry Down

Early Vigor

1 2 3 4 5 6 7 8 9 10



CONVENTIONAL



Fits all operations

General Characteristics

Relative days to maturity: 107
Plant height: 8
Ear height: 9
Ear type: Flex
Drought tolerance: 8
Greensnap tolerance: 8

Planting Information

Rates

Adapt to no-till: 9	
Speed of emergence: 9	
High organic soils: 10	28 – 32
Timber soils: 9	26 – 30
Clay & varied soils: 9	26 – 30
Wet soils: 8	
Sand (dryland): 8	21 – 25
Sand (irrigated): 9	28 – 32

Recommended Refuge Choices

5124 GT Brand

No refuge needed

Refuge Choice

5456GT3 Brand

20% refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: 4
Fall Appearance: 8
No. leaf blight tolerance: 7
So. leaf blight tolerance: 7
Anthracnose tolerance: 6
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 6
Goss's Wilt: 7

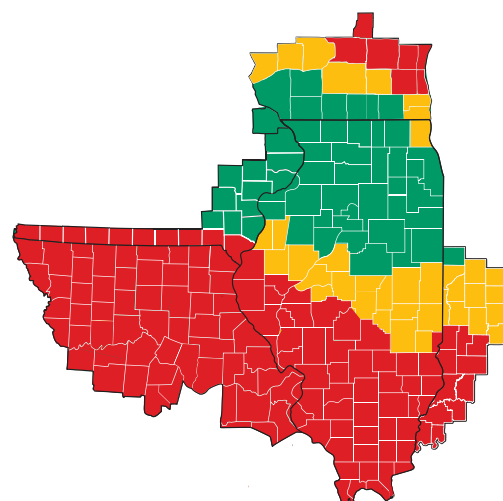
Harvest Information

Grain quality: 7
Test weight: 7
Growing Degree Days to Silk: 1320
Growing Degree Days to 30%: 2530
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9



GRAIN PREMIUM OPPORTUNITIES

Burrus and Hughes continue to offer Non-GM conventional choices qualifying for grain premiums.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



Information is available on
BOSS 24/7

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THINK BURRUS

When profitability is your focus, Burrus & Hughes beats the “big boys” with better performance, quality information, and exceptional value.



Uncle Kevin Burrus helps Adam Krohe dig up seed production corn plants to check their growth stage for planting the male rows at the ideal time. Adam has his own putty knife for digging when he rides with (Grandpa Todd Burrus) Pa.

NEW

4P11 R™*
Brand

108S / 105N Day Maturity

POWER PLUS

4P11 R™*
Brand



No-Till				
Corn/Corn				
Early Planting				
Population (group)	C	A	B	
	Not Advised	Suitable	Good	Excellent

Drought Tolerance									
Stalk Strength									
Root Strength									
Dry Down									
Early Vigor									

GLYPHOSATE CONVENTIONAL GLUFOSINATE

Expand the meaning of yield

General Characteristics

Relative days to maturity: 108S/105N
Plant height: 5
Ear height: 6
Ear type: Inter
Drought tolerance: 9
Greensnap tolerance: 7

Planting Information

Speed of emergence: 7	Rates
High organic soils: 10	31 – 35
Timber soils: 8	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: NA	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Recommended Refuge Choices

4P11 R™* Brand

No refuge needed

Refuge choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
Fall Appearance: 6
No. leaf blight tolerance: 6
So. leaf blight tolerance: NA
Anthracnose tolerance: 4
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 6
Goss's Wilt: 8

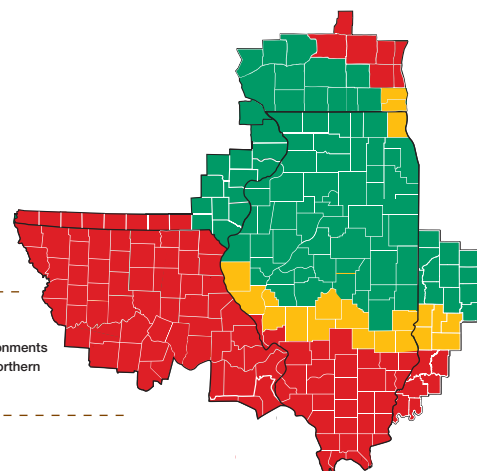
Harvest Information

Grain quality: 6
Test weight: 6
Growing Degree Days to Silk: 1392
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 8
High tonnage silage: 5
Harvest residue: 5

General rating scale:

10 = Outstanding
5 = Average
1 = Poor

GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
- Place on more productive soils and watch maturity in northern zones
RED - Not recommended



Toll Free 877-4-BURRUS • burrusseed.com

6132GT3

Brand



Hughes

NEW

108 Day Maturity

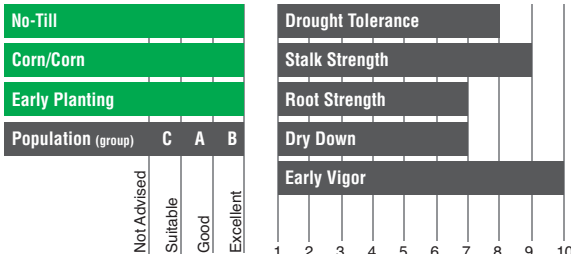
6132GT3

Brand



6132GT3

Brand



GLYPHOSATE CONVENTIONAL GLUFOSINATE LIBERTY LINK

Top yields across wide geography



UNMATCHED QUALITY—

Open a bag of Burrus or Hughes Hybrids and see for yourself.



General Characteristics

Relative days to maturity: 108
Plant height: 7
Ear height: 8
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 9

Planting Information Rates

Speed of emergence: 10	31 – 35
High organic soils: 10	27 – 31
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: NA	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Recommended Refuge Choices

6132 GT3 Brand

20% refuge needed

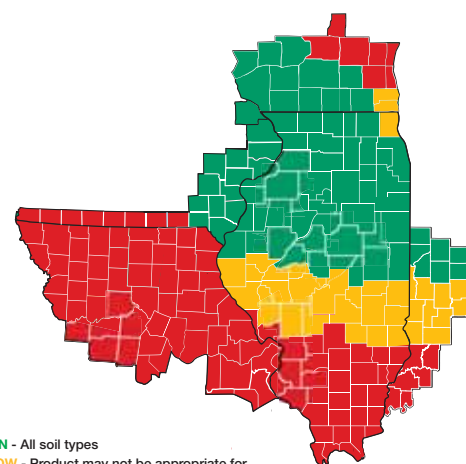
Strengths and Weaknesses

Plant growth regulator sensitivity: 6
Fall Appearance: 7
No. leaf blight tolerance: 8
So. leaf blight tolerance: 6
Anthracnose tolerance: NA
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NA
Goss's Wilt: 6

Harvest Information

Grain quality: 8
Test weight: 8
Growing Degree Days to Silk: 1380
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 7
Ear retention: NA
High tonnage silage: 9
Harvest residue: 9

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®Power Plus is a registered trademark of Pioneer Hi-Bred.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



<< Scan now!

THINK BURRUS

check out new products!

Toll Free 877-4-BURRUS • burrusseed.com





INCREASE YOUR PROFIT

Whole farm yield comes from matching the Burrus family of products to your soils.



Don Rhoads, sales agronomist, explains how a corn plant grows, multiplies and prospers in an ideal world. He has provided valuable recommendations for growers for over 25 years. At Burrus your profitability matters.

**Think
Performance,
Think
Technology,
Think Value...
Think Burrus!**

4V43 STM*

Brand

108 Day Maturity

No-Till			
Corn/Corn			
Early Planting			
Population (group)	A	C	B
	Not Advised	Suitable	Good
			Excellent

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

LIBERTY LINK

Tremendous yield potential and versatility

General Characteristics

Relative days to maturity: 108
 Plant height: 5
 Ear height: 7
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 5

Planting Information

Planting Information	Rates
Speed of emergence: 8	31 – 35
High organic soils: 10	27 – 31
Timber soils: 9	27 – 31
Clay & varied soils: 9	
Wet soils: 8	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Recommended Refuge Choices

4V43 STM* Brand

20% corn borer refuge needed

Weaknesses

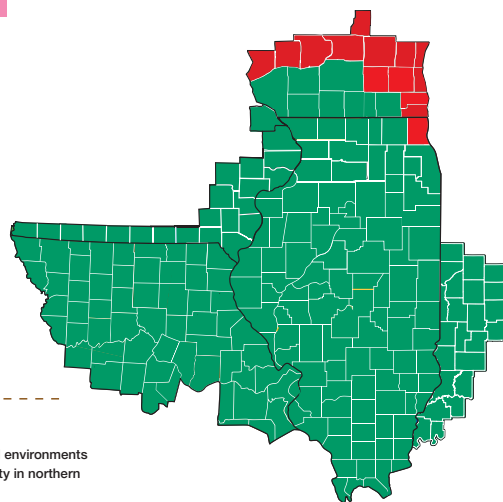
Plant growth regulator sensitivity: 7
 Fall Appearance: 9
 No. leaf blight tolerance: 8
 So. leaf blight tolerance: NA
 Anthracnose tolerance: 7
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 7
 Goss's Wilt: 7

Harvest Information

Grain quality: 8
 Test weight: 8
 Growing Degree Days to Silk: 1392
 Growing Degree Days to 30%: NA
 Growing Degree Days to 20%: NA
 Dry down rate: 8
 Ear retention: 9
 High tonnage silage: 7
 Harvest residue: 7

General rating scale:

10 = Outstanding
 5 = Average
 1 = Poor



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
 - Place on more productive soils and watch maturity in northern zones
RED - Not recommended




Toll Free 877-4-BURRUS • burrusseed.com

4B32AMX-RTM* Brand

4M31AMRW-RTM* Brand

4A30AM1TM* Brand



POWER PLUS

108 Day Maturity

4A30AM1TM* Brand

4M31AMRW-RTM* Brand

4B32AMX-RTM* Brand

Population (group)		B	A
No-Till			
Corn/Corn			
Early Planting			

Drought Tolerance

Stalk Strength

Root Strength

Dry Down

Early Vigor

GLYPHOSATE
CONVENTIONAL
GLUFOSINATE

Top of the class



General Characteristics

Relative days to maturity: 108
 Plant height: 7
 Ear height: 8
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 6

Planting Information

Rates

Speed of emergence: 8	
High organic soils: 10	34 – 38
Timber soils: 9	31 – 35
Clay & varied soils: 9	31 – 35
Wet soils: 8	
Sand (dryland): 8	26 – 30
Sand (irrigated): 9	34 – 38

Recommended Refuge Choices

4A30AM1TM* Brand

20% corn borer refuge needed

4M31AMRW-RTM* Brand

No separate refuge needed

Refuge choice for AM1

4B32AMX-RTM* Brand

No separate refuge needed

Strengths and Weaknesses

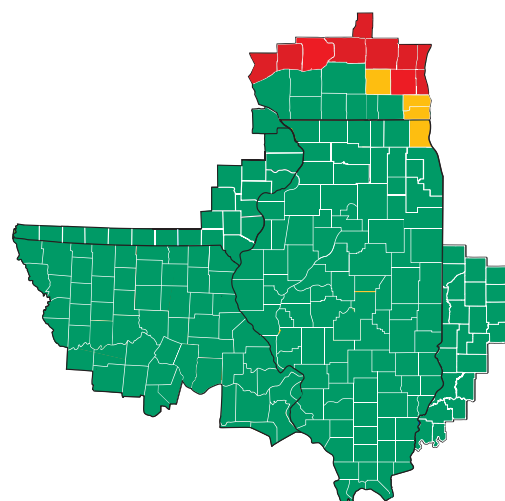
Plant growth regulator sensitivity: 4
 Fall Appearance: 9
 No. leaf blight tolerance: 5
 So. leaf blight tolerance: 6
 Anthracnose tolerance: 7
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 7
 Goss's Wilt: 7

Harvest Information

Grain quality: 10
 Test weight: 10
 Growing Degree Days to Silk: 1330
 Growing Degree Days to 30%: 2790
 Growing Degree Days to 20%: NA
 Dry down rate: 8
 Ear retention: 8
 High tonnage silage: 10
 Harvest residue: 10

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 ®Power Plus is a registered trademark of Pioneer Hi-Bred.

We don't make a habit of telling you how much "value" a product or technology brings, we let you experience the "worth" on your farm.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



Honesty & Integrity
 have value and always will.

Toll Free 877-4-BURRUS • burrusseed.com





THINK TRUST

Trust is the most important attribute you should expect from your seed supplier.

Trust is something you never question when you work with Burrus/Hughes/Hoblit.

"Agrisure Viptera hybrids were approved by the USDA in 2010 and are fully approved for sale and planting in the United States. All traits included in these hybrids are approved in key global markets including Japan, Mexico, Korea and Taiwan, among others. The combination of these traits and the grain and certain by-products from these hybrids may not be approved for all markets. Customers are advised to discuss trait acceptance policies with their local grain handler prior to delivering grain containing biotech traits. For questions about specific countries please contact your sales professional or refer to www.ncga.com/know-before-you-grow/."



<< Scan now!

THINK BURRUS
check out new products!

NEW

4685 3111 Brand

Catalyst™

109S / 112N Day Maturity

4685 3111 Brand

Agrisure VipteraSM

4685 3111 Brand

Agrisure VipteraSM

No-Till

Corn/Corn

Early Planting

Population (group)

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

Dry Down

Early Vigor

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE



Order while supply lasts

General Characteristics

Relative days to maturity: 109S/112N
Plant height: 5
Ear height: 5
Ear type: Flex
Drought tolerance: 9
Greensnap tolerance: 8

Planting Information

Rates

Speed of emergence: 7
High organic soils: 10
Timber soils: 9
Clay & varied soils: 10
Wet soils: 6
Sand (dryland): 9
Sand (irrigated): 10

28 – 32
26 – 30
26 – 30
21 – 25
28 – 32

Recommended Refuge Choices

4685 3111 Brand

20% refuge needed

Catalyst is a Syngenta brand distributed by Burrus.
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General rating scale:

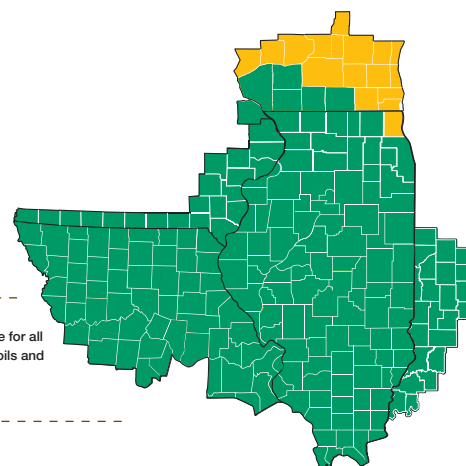
10 = Outstanding
5 = Average
1 = Poor

Strengths and Weaknesses

Plant growth regulator sensitivity: 7
Fall Appearance: 8
No. leaf blight tolerance: 8
So. leaf blight tolerance: 9
Anthracnose tolerance: 7
Gray leaf spot tolerance: 4
Diplodia ear rot tolerance: NA
Goss's Wilt: 8

Harvest Information

Grain quality: 8
Test weight: 7
Growing Degree Days to Silk: 1405
Growing Degree Days to 30%: 2710
Growing Degree Days to 20%: 3170
Dry down rate: 7
Ear retention: 8
High tonnage silage: 5
Harvest residue: 5



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended

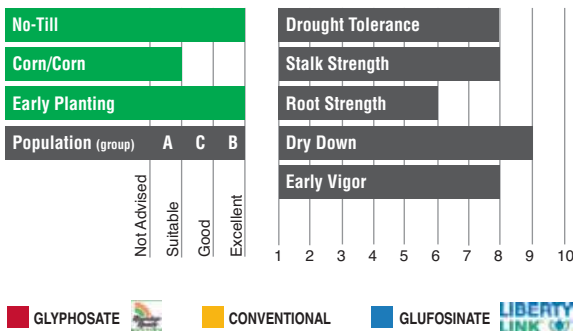
5N48™*

Brand



110S / 108N Day Maturity

5N48™*
Brand



Super yield potential, fast drying



WE STILL GET OUR SHOES DIRTY

The trend in the seed industry is to be a “computer breeder” — selecting products by watching a computer screen. Not at Burrus! We are still old fashioned, preferring to walk the plots to evaluate products that yield, stand up, and defend themselves from disease and stress. Performance comes from a thorough, extensive examination of products so we know how they behave under a variety of conditions.

General Characteristics

Relative days to maturity: 110S /108N
Plant height: 6
Ear height: 7
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 7

Strengths and Weaknesses

Plant growth regulator sensitivity: 8
Fall Appearance: 8
No. leaf blight tolerance: 7
So. leaf blight tolerance: 7
Anthracnose tolerance: 5
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 7
Goss's Wilt: 7

Planting Information

Rates

Speed of emergence: 8
High organic soils: 10
Timber soils: 8
Clay & varied soils: 8
Wet soils: 9
Sand (dryland): 7
Sand (irrigated): 8

31 – 35
27 – 31
27 – 31
23 – 27
31 – 35

Harvest Information

Grain quality: 9
Test weight: 7
Growing Degree Days to Silk: 1320
Growing Degree Days to 30%: 2600
Growing Degree Days to 20%: 3160
Dry down rate: 9
Ear retention: 8
High tonnage silage: 10
Harvest residue: 9

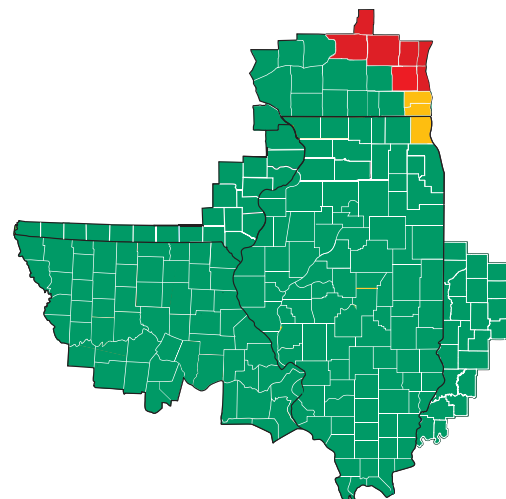
Recommended Refuge Choices

5N48™* Brand

No refuge needed

Refuge Choice

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®Power Plus is a registered trademark of Pioneer Hi-Bred.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended

THINK BURRUS
check out new products!

Toll Free 877-4-BURRUS • burrusseed.com





WE SELL SOLUTIONS FOR YOUR FARM

Most growers are fiercely independent. They prefer to make their own choices. You can count Burrus and Hughes in that group too.



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NEW

541L
Brand

110 Day Maturity

541L
Brand



No-Till	
Corn/Corn	
Early Planting	

Population (group)	A	C	B
Not Advised			
Suitable			
Good			
Excellent			

Drought Tolerance	
Stalk Strength	
Root Strength	
Dry Down	
Early Vigor	

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE



The best Liberty refuge product, hands down

General Characteristics

Relative days to maturity: 110
Plant height: 7
Ear height: 8
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 8

Planting Information

Speed of emergence: 7
High organic soils: 9
Timber soils: 8
Clay & varied soils: 8
Wet soils: 6
Sand (dryland): 7
Sand (irrigated): 7

Rates

31 – 35
27 – 31
27 – 31
23 – 27
31 – 35

Recommended Refuge Choices

541L Brand

No refuge needed

Refuge Choice

General rating scale:

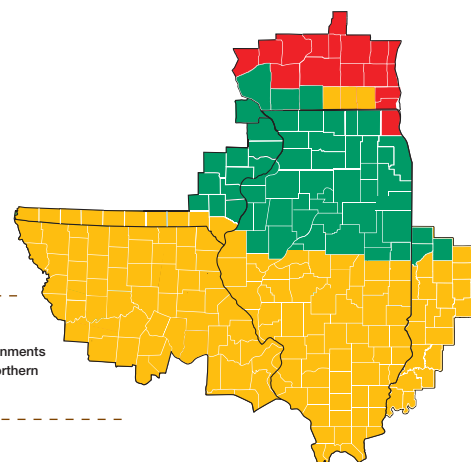
10 = Outstanding
5 = Average
1 = Poor

Strengths and Weaknesses

Plant growth regulator sensitivity: 7
Fall Appearance: 7
No. leaf blight tolerance: 8
So. leaf blight tolerance: 8
Anthracnose tolerance: NA
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: NA
Goss's Wilt: NA

Harvest Information

Grain quality: 8
Test weight: 8
Growing Degree Days to Silk: NA
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 8
High tonnage silage: 9
Harvest residue: 9



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
- Place on more productive soils and watch maturity in northern zones
RED - Not recommended

6J36 GT3 6J35 GT 6J34

Brand

Brand

Brand



110S / 112N Day Maturity

6J36GT3

Brand



6J35GT

Brand



6J34

Brand

6J36GT3

Brand



No-Till

Corn/Corn

Early Planting

Population (group)

C

A

B

Not Advised

Suitable

Good

Excellent

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE



Very exciting performer... look at the Harvest Report

General Characteristics

Relative days to maturity: 110S/112N
Plant height: 6
Ear height: 6
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 9

Planting Information

Rates

Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 8	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 8	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Recommended Refuge Choices

6J36GT3 Brand

20% refuge needed

6J35GT Brand

6J34 Brand

No refuge needed

Refuge Choice

Strengths and Weaknesses

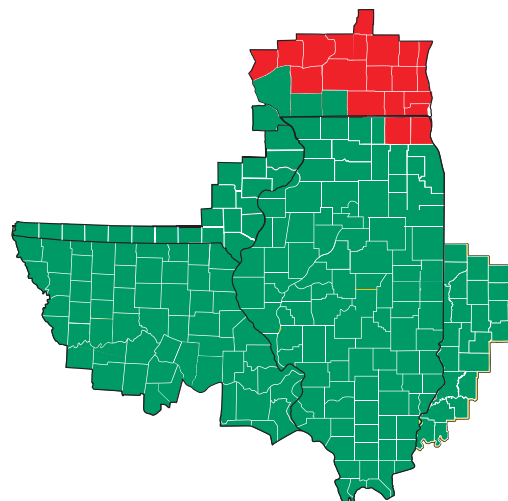
Plant growth regulator sensitivity: 5
Fall Appearance: 7
No. leaf blight tolerance: 7
So. leaf blight tolerance: NA
Anthracnose tolerance: NA
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: NA
Goss's Wilt: NA

Harvest Information

Grain quality: 9
Test weight: 8
Growing Degree Days to Silk: 1300
Growing Degree Days to 30%: 2690
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 9
High tonnage silage: 7
Harvest residue: 7

BURRUS HYBRIDS AND HUGHES HYBRIDS CREATE STRATEGIC ALLIANCE

Two family businesses have joined together. Burrus and Hughes will produce seed and market jointly across IL, MO, WI and IA. This alliance has strengthened both brands and expand product and service. Growers will enjoy more hybrid options and soybean selections along with access to more germplasm than virtually any company in the industry.



GREEN - All soil types

YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones

RED - Not recommended



**If you go by the numbers,
you'll go buy our numbers.**

Toll Free 877-4-BURRUS • burrusseed.com





OUR CUSTOMERS ARE TOP PRIORITY

Burrus & Hughes deliver a value package of outstanding performance, superb quality, and exceptional service.



Rows on the left are 6227 4011 Brand with Agrisure Artesian™ technology compared to the right with similar genetics without the water optimization marker gene selection.”

NEW

6227 4011 Brand

110 Day Maturity



Catalyst™

6227 4011 Brand



6227 4011 Brand



No-Till	
Corn/Corn	
Early Planting	
Population (group)	C A B
Not Advised	
Suitable	
Good	
Excellent	

Drought Tolerance	
Stalk Strength	
Root Strength	
Dry Down	
Early Vigor	
Fall Appearance	

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE



Excels on good soils, Artesian technology

General Characteristics

Relative days to maturity: 110
Plant height: 8
Ear height: 9
Ear type: Inter
Drought tolerance: 9
Greensnap tolerance: 8

Planting Information

Speed of emergence: 8
High organic soils: 10
Timber soils: 7
Clay & varied soils: 9
Wet soils: 6
Sand (dryland): 8
Sand (irrigated): 9

Rates

31 – 35
27 – 31
27 – 31
23 – 27
31 – 35

Recommended Refuge Choices

6227 4011 Brand

20% corn borer refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
Fall Appearance: 9
No. leaf blight tolerance: 8
So. leaf blight tolerance: 8
Anthracnose tolerance: NA
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NA
Goss's Wilt: 7

Harvest Information

Grain quality: 9
Test weight: 9
Growing Degree Days to Silk: 1415
Growing Degree Days to 30%: 2780
Growing Degree Days to 20%: 3190
Dry down rate: 8
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

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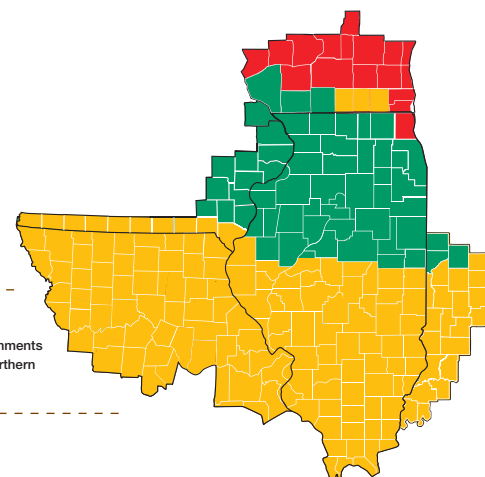
General rating scale:

10 = Outstanding
5 = Average
1 = Poor




Toll Free 877-4-BURRUS • burrusseed.com

GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
- Place on more productive soils and watch maturity in northern zones
RED - Not recommended



6C41 S™*
Brand

6C40™*
Brand


POWER PLUS

112 Day Maturity

6C41 S™*

6C40™*

6C41 S™*

No-Till				
Corn/Corn				
Early Planting				
Population (group)	C	A	B	
	Not Advised	Suitable	Good	Excellent

GLYPHOSATE
 CONVENTIONAL
 GLUFOSINATE
 LIBERTY LINK

Hard endo premium candidate

NEW



Tim Greene listens to grower needs so we can be sure to exceed their expectations in the years ahead.

General Characteristics

Relative days to maturity: 112
 Plant height: 7
 Ear height: 6
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 7

Planting Information

Rates

Speed of emergence: 8	
High organic soils: 9	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 8	
Sand (dryland): 8	23 – 27
Sand (irrigated): 8	31 – 35

Recommended Refuge Choices

6C41 S™* Brand

20% corn borer refuge needed

6C40™* Brand

No refuge needed

Refuge Choice

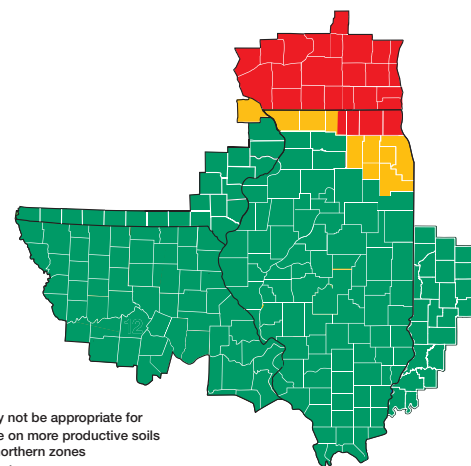
Strengths and Weaknesses

Plant growth regulator sensitivity: NA
 Fall Appearance: 8
 No. leaf blight tolerance: NA
 So. leaf blight tolerance: NA
 Anthracnose tolerance: NA
 Gray leaf spot tolerance: NA
 Diplodia ear rot tolerance: NA
 Goss's Wilt: NA

Harvest Information

Grain quality: 9
 Test weight: 9
 Growing Degree Days to Silk: 1454
 Growing Degree Days to 30%: NA
 Growing Degree Days to 20%: NA
 Dry down rate: 9
 Ear retention: 8
 High tonnage silage: 8
 Harvest residue: 7

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 ®Power Plus is a registered trademark of Pioneer Hi-Bred.



GREEN - All soil types
 YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
 RED - Not recommended



<< Scan now!

THINK BURRUS

check out new products!

Toll Free 877-4-BURRUS • burrusseed.com



EXPERIENCE MATTERS

Burrus & Hughes will not just settle for the industry standards when it comes to quality.

Back in the 1940's, before combines shelled corn in the field, test plots were hand harvested on the ear and weighed in gunny sacks to select the plot winners. There were very few color cameras in those days to shoot the photos, only black and white for most of us.



◀◀ Scan now!

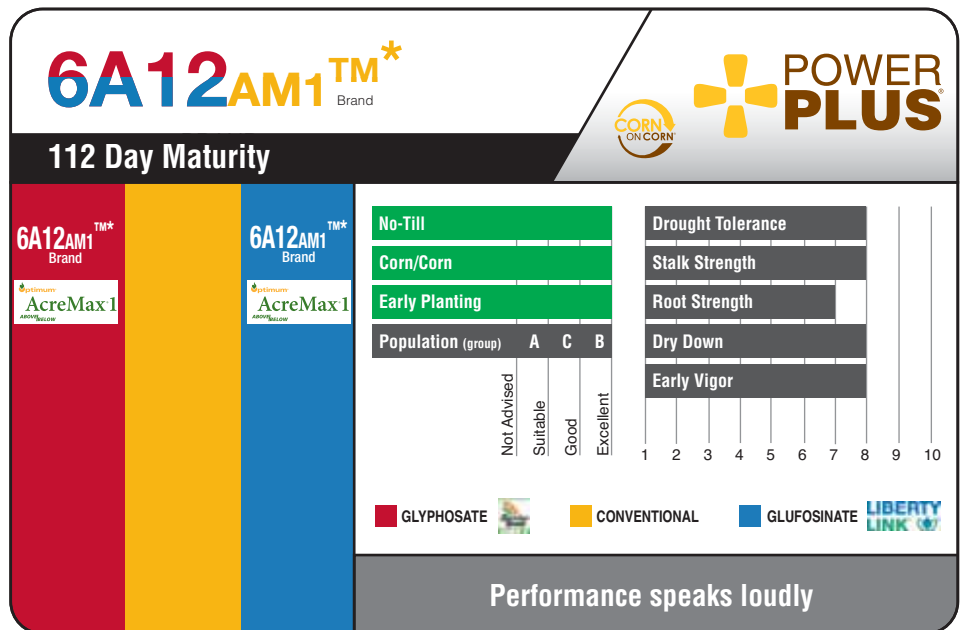
THINK BURRUS
check out new products!

GREEN - All soil types

YELLOW - Product may not be appropriate for all environments

- Place on more productive soils and watch maturity in northern zones

RED - Not recommended



General Characteristics

Relative days to maturity: 112/112
Plant height: 7
Ear height: 8
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 5

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
Fall Appearance: 8
No. leaf blight tolerance: 5
So. leaf blight tolerance: NA
Anthracnose tolerance: 5
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 6
Goss's Wilt: 7

Planting Information

Speed of emergence: 9
High organic soils: 10
Timber soils: 7
Clay & varied soils: 8
Wet soils: 8
Sand (dryland): 8
Sand (irrigated): 9

Rates

31 – 35
27 – 31
27 – 31

23 – 27
31 – 35

Harvest Information

Grain quality: 9
Test weight: 7
Growing Degree Days to Silk: 1340
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 8
High tonnage silage: 8
Harvest residue: 10

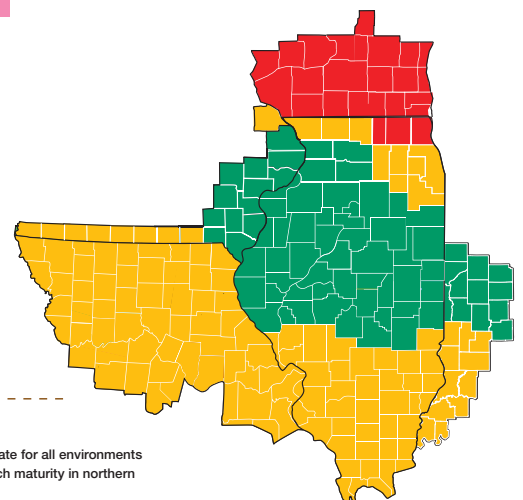
Recommended Refuge Choices

6A12AM1™* Brand

20% corn borer refuge needed

General rating scale:

10 = Outstanding
5 = Average
1 = Poor



6A25AM1™* Brand **6M26AMRW-R™*** Brand **6K24 Q™*** Brand



112 Day Maturity

6A25AM1™* Brand 6K24 Q™* Brand 6M26AMRW-R™* Brand 	6A25AM1™* Brand 6K24 Q™* Brand 	<table border="1"> <tr><td>No-Till</td><td></td></tr> <tr><td>Corn/Corn</td><td></td></tr> <tr><td>Early Planting</td><td></td></tr> <tr> <td>Population (group)</td> <td>C A B</td> </tr> <tr> <td></td> <td>Not Advised Suitable Good Excellent</td> </tr> </table>	No-Till		Corn/Corn		Early Planting		Population (group)	C A B		Not Advised Suitable Good Excellent	<table border="1"> <tr><td>Drought Tolerance</td><td></td></tr> <tr><td>Stalk Strength</td><td></td></tr> <tr><td>Root Strength</td><td></td></tr> <tr><td>Dry Down</td><td></td></tr> <tr><td>Early Vigor</td><td></td></tr> </table>	Drought Tolerance		Stalk Strength		Root Strength		Dry Down		Early Vigor	
No-Till																							
Corn/Corn																							
Early Planting																							
Population (group)	C A B																						
	Not Advised Suitable Good Excellent																						
Drought Tolerance																							
Stalk Strength																							
Root Strength																							
Dry Down																							
Early Vigor																							
		<p>Superb yielder</p>																					



General Characteristics

Relative days to maturity: 112
 Plant height: 7
 Ear height: 7
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 7

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
 Fall Appearance: 9
 No. leaf blight tolerance: 8
 So. leaf blight tolerance: NA
 Anthracnose tolerance: NA
 Gray leaf spot tolerance: 8
 Diplodia ear rot tolerance: 7
 Goss's Wilt: 6

Planting Information

Rates

Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 8	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: NA	
Sand (dryland): 9	23 – 27
Sand (irrigated): 10	31 – 35

Harvest Information

Grain quality: 10
 Test weight: 9
 Growing Degree Days to Silk: NA
 Growing Degree Days to 30%: NA
 Growing Degree Days to 20%: NA
 Dry down rate: 8
 Ear retention: 8
 High tonnage silage: 9
 Harvest residue: 9

Recommended Refuge Choices

6A25AM1™* Brand

20% corn borer refuge needed

6M26AMRW-R™* Brand

No separate refuge needed

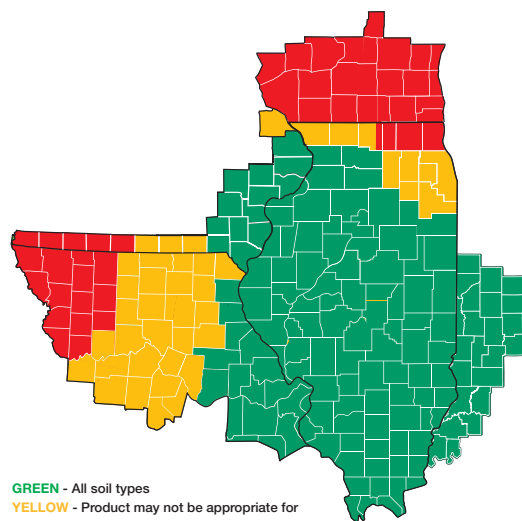
Refuge Choice for AM1

6K24Q™* Brand

20% corn borer refuge needed

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 ®Power Plus is a registered trademark of Pioneer Hi-Bred.

American, farm-family owned for four generations gives Burrus & Hughes the edge.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



Raising whole farm yields

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CORN AND SOYBEAN TALK MEETINGS

Come join us for at an agronomic corn and soybean talking meeting this fall. You will have the opportunity to visit with our agronomists, owners and other successful growers and have your questions answered. No canned speech for this meeting. Contact your local dealer or RSM to find out when and where you can learn honest, upfront answers to your questions that will help your operation be more profitable.



6B50™* Brand **6B52 S™*** Brand **6B51 R™*** Brand

POWER PLUS

CORN ON CORN

113S / 110N Day Maturity

6B51 R™* Brand

6B50™* Brand

6B52 S™* Brand

HERCULEX I

HERCULEX I

HERCULEX I

No-Till		Drought Tolerance	
Corn/Corn		Stalk Strength	
Early Planting		Root Strength	
Population (group)	C A B	Dry Down	
Not Advised		Early Vigor	
Suitable			
Good			
Excellent			

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE CONVENTIONAL GLUFOSINATE LIBERTY LINK

Big ears & bigger yield potential

General Characteristics

Relative days to maturity: 113S/110N
 Plant height: 7
 Ear height: 7
 Ear type: Inter
 Drought tolerance: 10
 Greensnap tolerance: 5

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
 Fall Appearance: 9
 No. leaf blight tolerance: 6
 So. leaf blight tolerance: 7
 Anthracnose tolerance: 8
 Gray leaf spot tolerance: 8
 Diplodia ear rot tolerance: 7
 Goss's Wilt: 8

Planting Information

Rates

Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 9	
Sand (dryland): 9	23 – 27
Sand (irrigated): 10	31 – 35

Recommended Refuge Choices

6B50™* Brand **No Refuge Needed**

Refuge Choice

6B51 R™* Brand **No Refuge Needed**

Refuge Choice

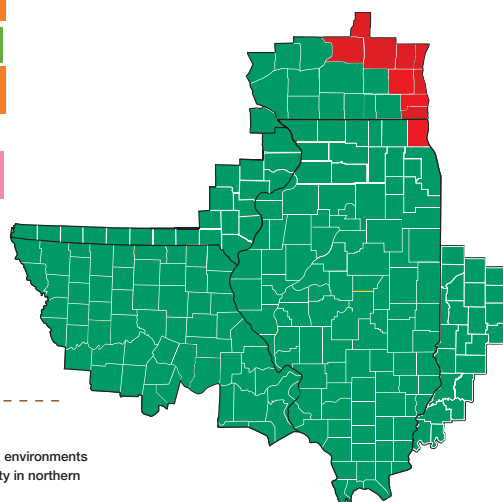
6B52 S™* Brand
20% corn borer refuge needed

General rating scale:

10 = Outstanding
 5 = Average
 1 = Poor

Harvest Information

Grain quality: 8
 Test weight: 7
 Growing Degree Days to Silk: 1390
 Growing Degree Days to 30%: 2750
 Growing Degree Days to 20%: 3220
 Dry down rate: 9
 Ear retention: 9
 High tonnage silage: 10
 Harvest residue: 10



6G64™*

Brand

113 Day Maturity



NEW



6G64™*
Brand

No-Till				Drought Tolerance			
Corn/Corn				Stalk Strength			
Early Planting				Root Strength			
Population (group)				Dry Down			
				Early Vigor			
Not Advised				1			
Suitable				2			
Good				3			
Excellent				4			
				5			
				6			
				7			
				8			
				9			
				10			

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE



Super high yielding non GM

General Characteristics

Relative days to maturity: 113
Plant height: 7
Ear height: 6
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 8

Planting Information

Rates

Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 9	
Sand (dryland): 8	23 – 27
Sand (irrigated): 8	31 – 35

Recommended Refuge Choices

6G64™* Brand

No refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
Fall Appearance: 8
No. leaf blight tolerance: 7
So. leaf blight tolerance: NA
Anthracnose tolerance: NA
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NA
Goss's Wilt: NA

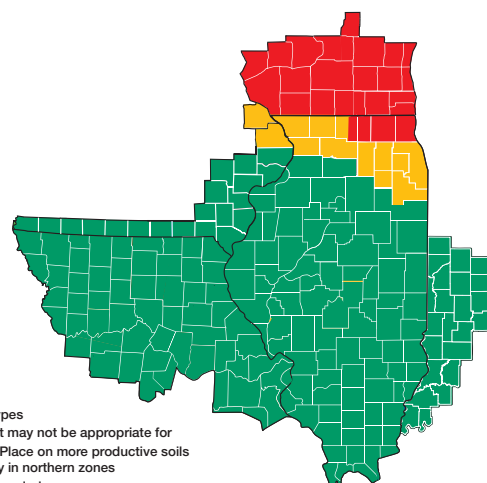
Harvest Information

Grain quality: 9
Test weight: 9
Growing Degree Days to Silk: 1487
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 9
High tonnage silage: 8
Harvest residue: 8

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Burrus is committed to bringing new non-GM corn products to help growers make extra profit and provide end users the grain profile they prefer. Paul Armstrong Farms begin their harvest on non- GM corn to capture a grain premium in Morgan County, IL.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



<< Scan now!

THINK BURRUS
check out new products!

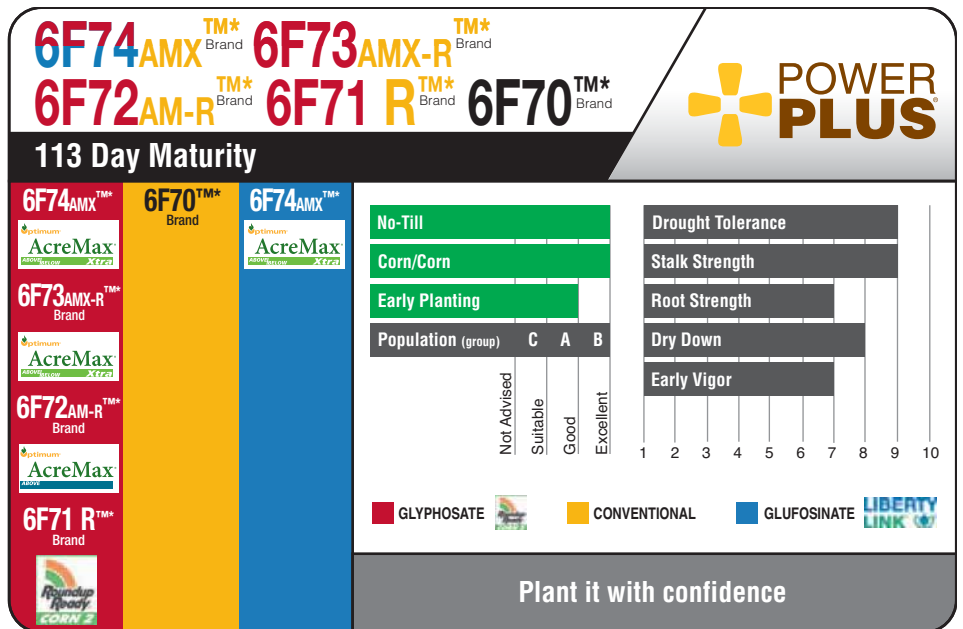
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GO FOR THE GOLD!

Choose the Burrus family of products to maximize your yield on every acre.



General Characteristics

Relative days to maturity: 113
 Plant height: 7
 Ear height: 6
 Ear type: Inter
 Drought tolerance: 9
 Greensnap tolerance: 8

Planting Information

Planting Information	Rates
Speed of emergence: 8	31 – 35
High organic soils: 10	27 – 31
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 7	
Sand (dryland): 9	23 – 27
Sand (irrigated): 10	31 – 35

Recommended Refuge Choices

6F71 R TM Brand	No refuge needed
6F70 TM Brand	No refuge needed
6F73AMX-R TM Brand	No separate refuge needed
6F72AM-R TM Brand	No separate refuge needed
6F74AMX TM Brand	No separate refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: 5
 Fall Appearance: 9
 No. leaf blight tolerance: 7
 So. leaf blight tolerance: NA
 Anthracnose tolerance: NA
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 7
 Goss's Wilt: 6

Harvest Information

Grain quality: 8
 Test weight: 9
 Growing Degree Days to Silk: 1392
 Growing Degree Days to 30%: NA
 Growing Degree Days to 20%: NA
 Dry down rate: 8
 Ear retention: 9
 High tonnage silage: 9
 Harvest residue: 9



General rating scale:

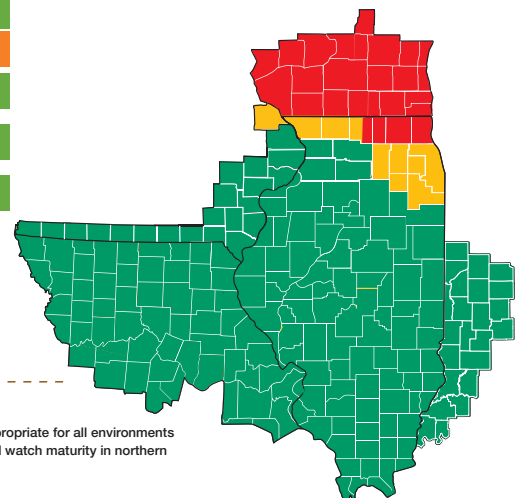
10 = Outstanding
 5 = Average
 1 = Poor

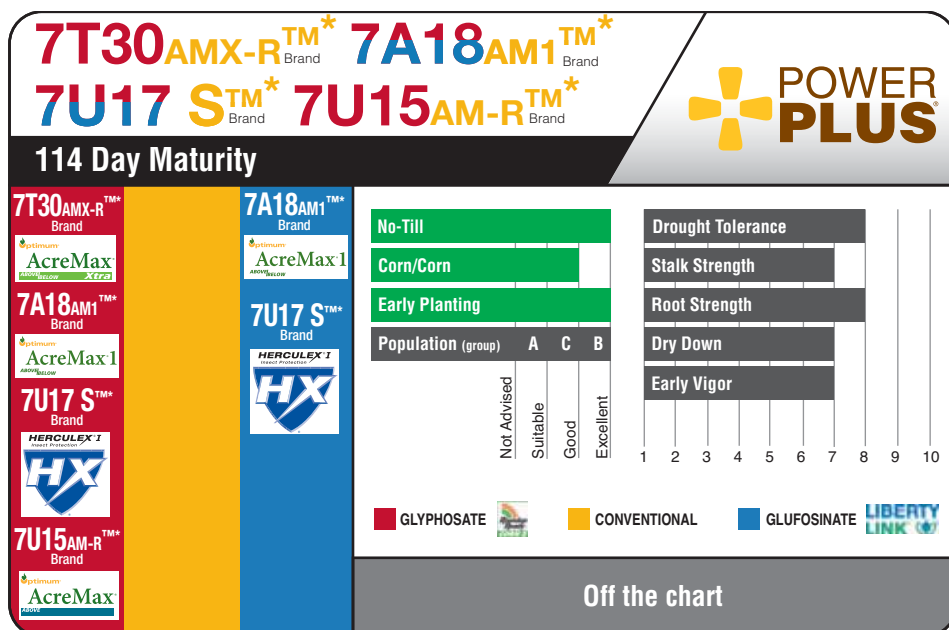


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 check out new products!

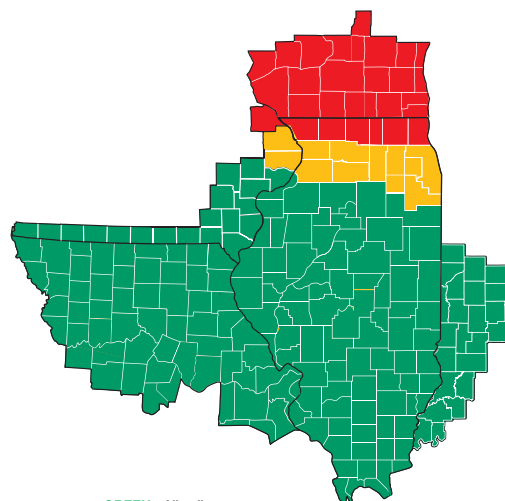
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Ron and Jenni Kuhlmann are Seed Corn Specialists for Burrus, committed to training, understanding grower needs and solutions.

Commitment...we know yours; we encourage you to experience ours.



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YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



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WHEN YOU WIN, BURRUS WINS.

Whole farm yield comes from matching the Burrus family of products to your soils.



GPS has allowed Burrus to plant male rows on 19-inch row spacing, then cultivated those rows to control bullnettle.

7D51QTM* Brand **7A52AM1TM*** Brand

7M53AMRW-RTM* Brand **750TM*** Brand **750** Brand

115 Day Maturity

Think **BURRUS**
POWER PLUS

CORN ON CORN

<p>7D51QTM* Brand</p> <p>HERCULEX[®] XTRA</p> <p>HX</p> <p>7A52AM1TM* Brand</p> <p>AcreMax¹</p> <p>7M53AMRW-RTM* Brand</p> <p>AcreMax¹</p>	<p>750 Brand</p> <p>750TM* Brand</p>	<p>7D51QTM* Brand</p> <p>HERCULEX[®] XTRA</p> <p>HX</p> <p>7A52AM1TM* Brand</p> <p>AcreMax¹</p>
---	---	--

No-Till

Corn/Corn

Early Planting

Population (group)

	A	C	B
Not Advised			
Suitable			
Good			
Excellent			

Drought Tolerance

Stalk Strength

Root Strength

Dry Down

Early Vigor

■ GLYPHOSATE

■ CONVENTIONAL

■ GLUFOSINATE

LIBERTY LINK

The most consistent performer, hard endo too!

General Characteristics

Relative days to maturity: 115
 Plant height: 8
 Ear height: 8
 Ear type: Inter
 Drought tolerance: 9
 Greensnap tolerance: 8

Planting Information

Speed of emergence: 7
 High organic soils: 10
 Timber soils: 9
 Clay & varied soils: 9
 Wet soils: 7
 Sand (dryland): 9
 Sand (irrigated): 10

Rates

31 – 35
 27 – 31
 27 – 31
 23 – 27
 31 – 35

Recommended Refuge Choices

7D51 QTM* Brand

20% refuge needed

7A52AM1TM* Brand

20% corn borer refuge needed

7M53AMRW-RTM* Brand

No Separate Refuge Needed

Refuge choice for AM1

750TM* Brand **750** Brand

No refuge needed

Refuge Choice

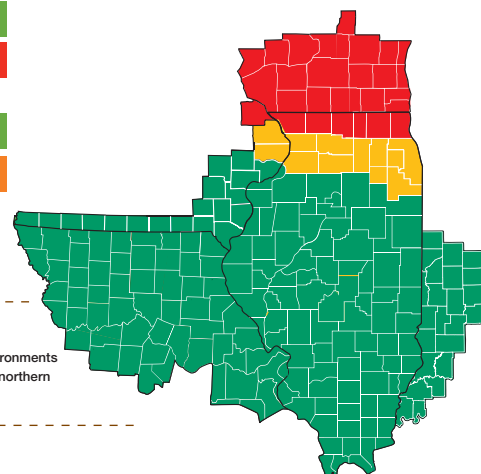
Strengths and Weaknesses

Plant growth regulator sensitivity: 5
 Fall Appearance: 10
 No. leaf blight tolerance: 8
 So. leaf blight tolerance: 8
 Anthracnose tolerance: 8
 Gray leaf spot tolerance: 8
 Diplodia ear rot tolerance: 8
 Goss's Wilt: 7

Harvest Information

Grain quality: 10
 Test weight: 10
 Growing Degree Days to Silk: 1450
 Growing Degree Days to 30%: 2850
 Growing Degree Days to 20%: 3400
 Dry down rate: 7
 Ear retention: 9
 High tonnage silage: 10
 Harvest residue: 10

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GREEN - All soil types
YELLOW - Product may not be appropriate for all environments
 - Place on more productive soils and watch maturity in northern zones
RED - Not recommended

8V08 S™*

Brand

POWER PLUS

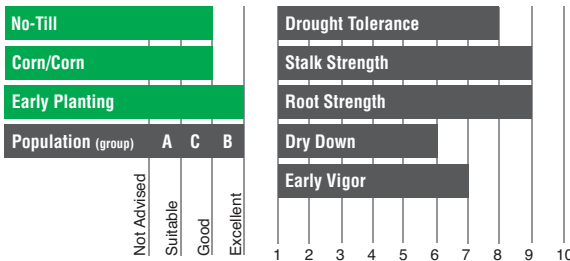
NEW

116 Day Maturity

8V08 S™*



8V08 S™*



GLYPHOSATE CONVENTIONAL GLUFOSINATE LIBERTY LINK

Superior yielding Stacked product



Experience Burrus, it is what's inside that counts.



General Characteristics

Relative days to maturity: 116
Plant height: 8
Ear height: 8
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 5

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
Fall Appearance: 9
No. leaf blight tolerance: 6
So. leaf blight tolerance: NA
Anthracnose tolerance: 6
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 6
Goss's Wilt: 6

Planting Information

Rates

Speed of emergence: 7	31 – 35
High organic soils: 10	27 – 31
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: NA	
Sand (dryland): 9	23 – 27
Sand (irrigated): 10	31 – 35

Harvest Information

Grain quality: 8
Test weight: 8
Growing Degree Days to Silk: NA
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 6
Ear retention: 8
High tonnage silage: 10
Harvest residue: 10

Recommended Refuge Choices

8V08 S™* Brand

20% corn borer refuge needed

General rating scale:

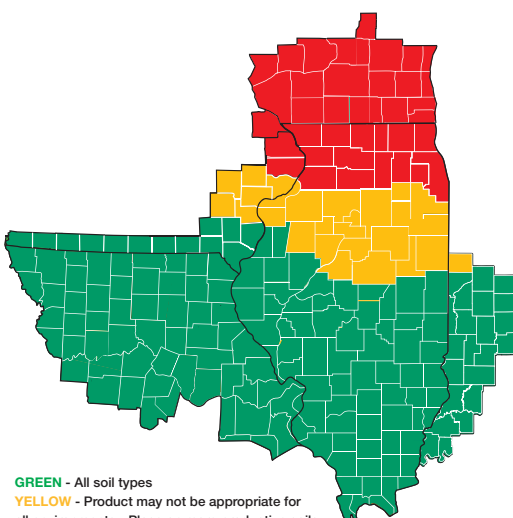
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5 = Average
1 = Poor



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YELLOW - Product may not be appropriate for all environments - Place on more productive soils and watch maturity in northern zones
RED - Not recommended



ARE THERE CHEMICALS TO AVOID?

	ALS Sulfonylureas	Plant growth Regulators	ALS Plus PGR	HPPD Inhibitors	ALS Plus HPPD Inhibitors	Glyphosate	Glufosinate
Hughes 1285 GCL	▼	▼	▼	○	▼	○	○
Hughes 2450 GT	▼	▼	▼	○	▼	○	○
Hughes 2796GTV	▼	▼	▼	○	▼	○	○
Hughes 3252	▼	▼	▼	○	▼	○	○
Power Plus 1H37 Q™*	▼	▼	▼	○	▼	○	○
Hughes 3309 GT3	▼	▼	▼	○	▼	○	○
Hughes 3310 GT	▼	▼	▼	○	▼	○	○
Hughes 4373	▼	▼	▼	○	▼	○	○
Hughes 4607 GT3	▼	▼	▼	○	▼	○	○
Hughes 5124 GT	▼	▼	▼	○	▼	○	○
Hughes 5456 GT3	▼	▼	▼	○	▼	○	○
Power Plus 4P11R™*	▼	▼	▼	○	▼	○	○
Power Plus 4A30AM1™*	○	▼	▼	○	○	○	○
Power Plus 4M31AMRW-R™*	○	▼	▼	○	○	○	○
Power Plus 4B32AMX-R™*	○	▼	▼	○	○	○	○
Power Plus 4V43 S™*	▼	○	▼	○	▼	○	○
Catalyst 4685 3111	●	○	●	○	●	○	○
Power Plus 5N48™*	▼	○	▼	○	▼	○	○
Burrus 541L	●	▼	●	○	●	○	○
Power Plus 6A12AM1™*	○	▼	▼	○	○	○	○
Power Plus 6A25AM1™*	▼	▼	▼	○	▼	○	○
Power Plus 6K24 Q™*	▼	▼	▼	○	▼	○	○
Power Plus 6M26AMRW-R™*	▼	▼	▼	○	▼	○	○
Catalyst 6227 4011	●	▼	●	○	●	○	○
Hughes 6132 GT3	▼	▼	▼	○	▼	○	○
Burrus 6J36 GT3	▼	○	▼	○	▼	○	○
Burrus 6J35 GT	▼	○	▼	○	▼	○	○
Burrus 6J34	▼	○	▼	○	▼	○	○
Power Plus 6C41 S™*	▼	▼	▼	○	▼	○	○
Power Plus 6C40™*	▼	▼	▼	○	▼	○	○
Power Plus 6G64™*	▼	○	▼	○	▼	○	○
Power Plus 6B52 S™*	▼	▼	▼	○	▼	○	○
Power Plus 6B51 R™*	▼	▼	▼	○	▼	○	○
Power Plus 6B50™*	▼	▼	▼	○	▼	○	○
Power Plus 6F74AMX™*	▼	▼	▼	○	▼	○	○
Power Plus 6F73AMX-R™*	▼	▼	▼	○	▼	○	○
Power Plus 6F72AM-R™*	▼	▼	▼	○	▼	○	○
Power Plus 6F71 R™*	▼	▼	▼	○	▼	○	○
Power Plus 6F70™*	▼	▼	▼	○	▼	○	○
Power Plus 7T30AMX-R™*	▼	▼	▼	○	▼	○	○
Power Plus 7A18AM1™*	▼	▼	▼	○	▼	○	○
Power Plus 7U17 S™*	▼	▼	▼	○	▼	○	○
Power Plus 7U15AM-R™*	▼	▼	▼	○	▼	○	○
Power Plus 7D49 S™*	○	○	○	○	○	○	○
Power Plus 7A52AM1™*	○	○	○	○	○	○	○
Power Plus 7D51 Q™*	○	○	○	○	○	○	○
Power Plus 7M53AMRW-R™*	○	○	○	○	○	○	○
Burrus 750	○	○	○	○	○	○	○
Power Plus 8V08 S™*	▼	○	▼	○	▼	○	○

* Products or trade names listed under each herbicide background

○ Use

▼ Use with Caution

● Do Not Use

Accent®

Basis®

Basis® Gold

Permit®

Resolve Q®

Steadfast®

2,4-D

Banvel®

Clarity®

Distinct®

Marksman®

Status®

Stinger®

Celebrity Plus®

Hornet® WDG

NorthStar®

Require Q®

Yukon®

Balance Flexx®

Callisto®

Impact®

Laudis®

Corvus®

Capreno®

Realm Q®

Halex GT®

Roundup®

Ready Master® ATZ

Touchdown®

Generic glyphosate

Liberty®



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Recommended Planting Rates for Hybrid Seed Corn

	A	B				C
High Organic Soils	34-38,000	31-35,000				28-32,000
Timber Soils	31-35,000	27-31,000				26-30,000
Clay and Varied Soils	31-35,000	27-31,000				26-30,000
Sand (Dryland)	26-30,000	23-27,000				21-25,000
Sand (Irrigated)	34-38,000	31-35,000				28-32,000
Brand Products	1285GCL 1H37 Q™* 3309GT3 3310GT 4A30 AM1™* 4M31AMRW-R™* 4B32AMX-R™*	2450GT 2796GTV 4373 4607GT3 4P11R™* 4V43 S™* 5N48™* 541L 6227 4011	6132GT3 6A12AM1™* 6K24 Q™* 6A25AM1™* 6M26AMRW-R™* 6J34 6J35GT 6J36GT3 6B50™*	6B51 R™* 6B52 S™* 6C40™* 6C41 S™* 6F70™* 6F71R™* 6F72AM-R™* 6F73AMX-R™* 6F74AMX™*	6G64™* 7U15AM-R™* 7U17 S™* 7A18AM1™* 7T30AMX-R™* 7D51 Q™* 7A52AM1™* 7M53AMRW-R™* 750 8V08 S™*	3252 4685 3111 5124GT 5456GT3

Best standability is normally achieved at the lowest recommended rates

Allows for a 10% stand loss.

Soybean Planting Rates (1,000 seeds per acre)

Row Width	7.5 inch	15 inch	30 inch
Untreated	190-200	165-175	150-160
PowerShield® (fully treated)	160-170	135-145	125-135

Use higher end of range in less than ideal conditions.

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Optimum® AcreMax® 1 and Optimum® AcreMax® RW insect protection products available in the Power Plus® brand.

Catalyst is a Syngenta brand distributed by Burrus.

Catalyst™ is a trademark of Syngenta Group Company.



3 HUGHES moving forward.

For our northern customers, rest assured, the Hughes brand is moving forward with the launch of three new corn products, including a 105 day stacked hybrid. We are still carrying the three Hughes brand soybeans with or without the PowerShield® treatment. During the off season we will initiate an upgrade to the Hughes seed plant designed to handle new innovations in both trait and seed treatments



BURRUS—
delivering more than just seed!

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RECOMMENDED REFUGE CHOICES

DiFonzo & Cullen's Handy Bt Trait table Current April 1, 2012	Bt protein(s)	Insects controlled (bold) or suppressed (<i>italics</i>) Above-ground-----In soil	Herbicide tolerant?	Refuge %, location in the MIDWEST	
Agrisure products					
Agrisure CB/LL	Cry1Ab	ECB CEW FAW SB	---	LL	20% within ½ mile
Agrisure GT/CB/LL	Cry1Ab	ECB CEW FAW SB	---	GT LL	20% within ½ mile
Agrisure RW	mCry3A	---	CRW	---	20% in field/adjacent
Agrisure GT/RW	mCry3A	---	CRW	GT	20% in field/adjacent
Agrisure CB/LL/RW	Cry1Ab mCry3A	ECB CEW FAW SB	CRW	LL	20% in field/adjacent
Agrisure 3000GT	Cry1Ab mCry3A	ECB CEW FAW SB	CRW	GT LL	20% in field/adjacent
Agrisure Viptera 3110	Cry1Ab Vip3A	BCW CEW ECB FAW WBC SB	---	GT LL	20% within ½ mile
Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW CEW ECB FAW WBC SB	CRW	GT LL	20% in field/adjacent
Agrisure 3122 Refuge Renew	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	GT LL	5% in field/adjacent
Agrisure Viptera 3220	Cry1Ab Cry1F Vip3A	BCW CEW ECB FAW WBC SB	---	GT LL	5% within ½ mile
Herculex products					
Herculex 1 (HX1)	Cry1F	BCW ECB FAW WBC CEW SB	---	LL RR2 (some)	20% within ½ mile
Herculex RW (HXRW)	Cry34/35Ab1	---	CRW	LL RR2 (some)	20% in field/adjacent
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW WBC CEW	CRW	LL RR2 (some)	20% in field/adjacent
Optimum products					
Optimum® TRIssect	Cry1F mCry3A	BCW ECB FAW WBC CEW SB	CRW	LL RR2	20% in field/adjacent
Optimum® Intrasect	Cry1F Cry1Ab	BCW ECB FAW WBC CEW SB	---	LL RR2	5% within ½ mile
Optimum® Intrasect Xtra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	LL RR2	20% in field/adjacent
Optimum® Intrasect Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	LL RR2	5% in field/adjacent
Optimum® (AM-R) AcreMax	Cry1F Cry1Ab	BCW ECB FAW WBC CEW SB	---	RR2	5% <i>in the bag</i>
Optimum® (AMRW-R) AcreMax Rootworm	Cry34/35Ab1	---	CRW	RR2	10% <i>in the bag</i>
Optimum® (AM1) AcreMax1	Cry1F Cry34/35Ab1	BCW ECB FAW WBC CEW	CRW	LL RR2	10% <i>in the bag</i> (CRW) & 20% - ½ mile (ECB)
Optimum® (AMX-R) AcreMax Xtra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	RR2	10% <i>in the bag</i>
Optimum® (AMXT-R) AcreMax Xtreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	RR2	5% <i>in the bag</i>
Genuity / SmartStax products					
Genuity VT Double PRO (VT2P)	Cry1A.105 Cry2Ab2	CEW ECB FAW	---	RR2	5% within ½ mile
Genuity VT Double PRO Complete	Cry1A.105 Cry2Ab2	CEW ECB FAW	---	RR2	5% <i>in the bag</i>
Genuity VT Triple PRO (VT3P)	Cry1A.105 Cry2Ab2 Cry3Bb1	CEW ECB FAW	CRW	RR2	20% in field/adjacent
SmartStax (Dow) or Genuity SmartStax (Monsanto)	Cry1A.105 Cry2Ab2 Cry1F Cry2Bb1 Cry34/35Ab1	BCW CEW ECB FAW WBC	CRW	LL RR2	5% in field/adjacent
Genuity SmartStax RIB Complete	Same as Smartstax	BCW CEW ECB FAW WBC	CRW	LL RR2	5% <i>in the bag</i>
REFUGE ADVANCED Powered by SmartStax	Same as Smartstax	BCW CEW ECB FAW WBC	CRW	LL RR2	5% <i>in the bag</i>

Chart was compiled by Entomologists Eileen Cullen from the University of Wisconsin and Chris DiFonzo from Michigan State University.



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Key

BCW - black cutworm
CEW - corn rootworm
CRW - corn rootworm
ECB - European corn borer
FAW - fall army worm

SB - stalk borer
WBC - western bean cutworm
GT - glyphosate tolerant
LL - LibertyLink or glufosinate tolerant
RR2 - Roundup Ready 2

GUIDE TO ACCURATE PLANTING



John Deere Finger Pickup	
Kinze Finger Pickup *1	Reduce speed 10% 35-39#, Reduce speed by 33% below 35#
John Deere Vacuum Pickup	A50617 40-88#, A43215 25-50#, H136478 25-35#
Case IH & IHC Early Riser	Corn Drum 30-80#, Popcorn Drum less than 35#, New E pocket drum for problem sizes
Case IHC 1200	4855 Disc for 30-70#, 4845 disc below 50#
New Holland SP Series	
Ford or White Air 5400	247396B 57-73#, 247454B 42-62# 247535B 28-50#
White Air 5100	247917B 57-73#, 247707B 42-62#, 248505B 28-50#, 247957B 22-33#
White Air 6000	852434 57-73#, 852435 42-62#, 852436 25-50#, 852437 22-33#
New Idea 9000	
Deutz Allis	Seed Disc X Large (585805) 59# & over, Large (586141) 45-60#, Medium (585807) 39-52#, Sm/Medium (1501872) 30-39#, Small (587485) 30# & less

For the PowerShield® Round sizes (PSR) or the Burrus Xtra Round (BXR). Use the chart above for setting your planter.

We have established our SureDrop system and will now coordinate it with our new size and seed treatment combination.

For plateless planters	Seed Size		SureDrop 2	SureDrop 3	SureDrop 4	SureDrop 5	SureDrop 6	SureDrop 7
	Weight per 80,000 kernel unit		Under 30#	30-39#	40-49#	50-59#	60# and over	70# and over
	Burrus Xtra seed treatment (Poncho® 500)**		BX2	BX3	BX4	BX5	BX6	BX7
	Power Shield®		PS2	PS3	PS4	PS5	PS6	PS7
	High rate Poncho (Poncho 1250)**		HP2	HP3	HP4	HP5	HP6	HP7
	John Deere/Kinze Finger Pickup *1*7	Max. Speed *2	66% *3	66-90% *3 *5	100%	100%	100%	100%
	John Deere Vacuum Pickup *6	Disc Size	A43215	A43215	A43215 A50617	A50617	A50617	A50617
		Vacuum Inches	7-13	7-12	10-13 7-10	9-13	10-13	13-15
	Kinze Edge Vac *7	Disc Size	Regular Corn	Regular Corn	Regular Corn	Regular Corn	Regular Corn	Regular Corn
		Vacuum Inches *8	not recommended	20	20	20	20	20
		Singulator *8	not recommended	8	8	8	8	5
	Case IH and IHC Early Riser	Drum	Popcorn or Corn *5	Popcorn Corn *5	Corn	Corn	Corn	Corn
		Hopper Pres. *4	8-9 oz.	10 oz. 8-9 oz.	9-10 oz.	10-12 oz.	12 oz. max	12 oz. max
		Brush Setting	1/2 down	Wire down up	Lt. Contact	Down	Remove	Remove
	Case IHC 1200 *7	Disc Size	4845 4855	4845 4855	4855	4855	4855	4855
	New Holland SP Series	Vacuum	20 18	22 18	20	20	20	20
		Singulator	1.5 1.75	1.75 1.75	1.75	1.75	1.75	1.75
	White Air 6000	Disc Size	852436	852436	852436	852435	852434	852434
	New Idea 9000			or 852437	or 852437	or 852435		

Please refer to Catalyst bag (chart on back) for planting recommendations.

*1. Also for Black Machine, Great Plains, Buffalo Finger Pickup, JD1535 drill.

*2. For maximum planter speed, multiply the percentage shown times recommended speed range in operator's manual.

*3. Worn ripples on the carrier plate can increase overdrop drastically.

*4. For IHC Cyclo Air models, deduct 1 ounce of air pressure.

*5. Recommendation does not fit every weight in this SureDrop size. Consult recommended weight range above or on your operator's manual.

*6. Consult operator's manual for talc recommendation. Double recommendation for Poncho

treated seed.

*7. Consult operator's manual for graphite recommendation.

*8. Check field performance for specific settings

For other plate planter recommendations, call our office toll free at (877) 4 BURRUS.

PS6's and PS7's will be packaged in 40,000 kernel bags, sold as 80,000 units so two bags equal one unit when they weigh above 67.5 lbs/80M

**Always use talc or graphite liberally for lubricant to avoid bridging in the planter box.

Always consult the most recent "Go Sheet" for seed size and seed treatment availability.



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ALFALFA

HIGH PERFORMANCE FORAGE SOLUTIONS

Every acre counts in today's high-intensity farming operations. Make the most profit by choosing the best alfalfa for your needs. We offer high-quality alfalfa to fit your unique requirements.

HUGHES® 372HY

Hughes 372HY is the next generation of hybrid alfalfas using the Sunstra Hybrid Alfalfa Technology. It is characterized by its aggressive, high forage yielding, high quality features. 372HY expresses fast re-growth of dense, distinctively fine-stemmed forage. This fine stem characteristic makes a dense attractive alfalfa bale. As your stand of 372HY gets older, the forage yield and persistence advantages become more pronounced.

HUGHES® 200FY

Hughes 200FY alfalfa is a high forage yielding, persistent alfalfa with excellent forage quality potential. It expresses quick regrowth after cutting to maximize the growing season. Hughes 200FY performs best in high producing, well-drained soils. It has a solid disease, insect and nematode resistance package that helps defend itself in adverse environments. Hughes 200FY is an alfalfa variety for the dairy or beef producer that demands high tonnages of dairy quality forage.

Agronomic Characteristics	372HY	200FY
Bacterial Wilt	HR	HR
Fusarium Wilt	HR	HR
Phytophthora Root Rot	HR	HR
Anthrachnose (Race 1)	HR	HR
Verticillium Wilt	HR	HR
Aphanomyces Root Rot (Race 1)	R	HR
Pea Aphid		R
Stem Nematode	HR	R
Northern Root-knot Nematode	HR	R
Winter Survival	1.8	2.1
Fall Dormancy	4.0	4.0
DRI	29	30
Root Type	TAP	TAP
Cutting Recovery	9.2*	9.0*
Yield Level	9.5*	9.4*
Forage Quality	9.2*	9.0*
Wheel Traffic	8.9*	8.5*
* 10 Equals the highest or best, 1 equals the poorest		
HR= High resistance MR= Medium resistance R=Resistant		



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insects. Do not spray with Liberty®. Not all seeds in the bag are tolerant to Liberty herbicides. AMX – Optimum® AcreMax® Xtra Insect Protection system contains a single-bag integrated refuge solution for above and below-ground insects.

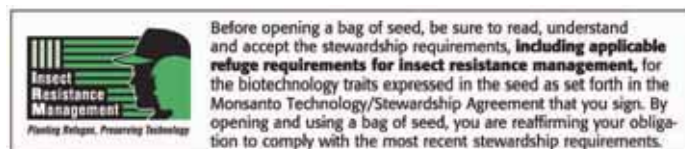
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Roundup Technology® includes Monsanto's glyphosate-based herbicide technologies. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Roundup PowerMAX®, Roundup Ready®, Roundup Technology®, and Roundup® are registered trademarks of Monsanto Technology LLC.





BURRUS/HUGHES/HOBLIT ENDORSES NEW SEED

There are many benefits of purchasing new seed:

- Purchasing new seed is a convenient way to ensure getting a product that is highest quality and highest yielding vs. bin run. You access the most elite germplasm. Burrus/Hughes/Hoblit brand seed meets strict quality standards, and you can rest assured that every bag is professionally handled and rigorously tested. Buying new seed dramatically reduces splits and foreign matter and ensures varietal purity because we use germination tests to ensure peace of mind. New seed is also weed free.
- The economics of buying new seed vs. using bin run beans is a no-brainer. The average loss associated with cleanout is 10 to 15% higher than new Burrus/Hughes/Hoblit seed.
- There are some limited warranty-benefits associated with buying new seed. With new seed, you get Burrus/Hughes/Hoblit agronomic support before and after the sale.

BURRUS/HUGHES/HOBLIT ENDORSES NO SAVE SEED POLICY ON PATENTED TRAITS OR SEEDS

- Seeds containing the Roundup Ready® trait are protected by numerous US patents. It is unlawful to save Roundup Ready soybeans for planting or transfer to others for use as planting seed.
- It is also unlawful to save patented germplasm (varieties) for planting or to transfer to others for use as planting.

NEW SEED BENEFIT STATEMENT

Convenience

- Reliable seed supply in many maturities
- Access to the most elite germplasm

Economics of New Seed vs. Bin-Run

- Bin-run planting rates are generally 15% higher than new certified seed
- New seed yields an average of 1.8 bushel/acre more than bin-run (University yield trials range from 1.2-5.9 bushel/acre)

Limited Warranty Benefits

- Dealer agronomic support before and after the sale

New Innovations

- Royalties provide research and development of new traits and higher yielding germplasm

SEED PIRACY

Seeds containing the Roundup Ready trait are protected under numerous United States patents, including Patent No. RE39.247.

It is unlawful to save Roundup Ready Soybeans for planting or transfer to others for use as planting seed. There are over 225 patents protecting soybeans today.

Roundup Ready® Soybeans contain in-plant tolerance to Roundup® brand herbicides, enabling growers to spray labeled brands for Roundup® over the top, from emergence throughout flowering, for superior weed control, excellent crop safety and maximum yield potential. Since they were first introduced several years ago, Roundup Ready® soybeans have shown consistent and reliable performance. Outstanding yields and reduced input costs mean that Roundup Ready® soybeans, used in a Roundup Ready® system, offer growers more profit opportunities than conventional soybeans.





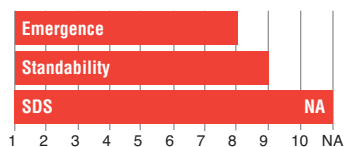
Levi Yoder farms of Lovington, IL cutting Power Plus® soybeans

Hughes 201RR



Maturity 2.0

- Comes from a good family
- Early yield power
- Very good White Mold Score
- BRS resistant
- Widely adapted



23Z1™* brand



Maturity 2.3

- Great yield potential for N. Illinois
- Very good SCN race 3 resistance
- Multi-race Phytophthora resistance (Rps1c)
- Moderate SDS resistance
- Relatively tall with medium canopy width
- Good on any soil type

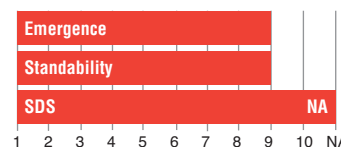


Hughes 454RR



Maturity 2.5

- Well suited for varied soils
- White mold tolerance is very good
- Very good with Brown Stem Rot tolerance
- Medium-tall with good standability
- Can handle all row widths
- Very good Phytophthora resistance

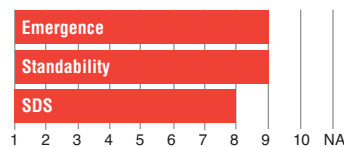


Hughes 555RR



Maturity 2.5

- Very showy appearance
- Tremendous performance
- Cyst resistance is very good
- Excellent agronomics
- Best choice for stress-prone areas
- Very good agronomically

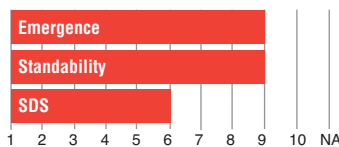


25G3™* brand



Maturity 2.5

- Very attractive
- Outstanding SCN resistance with Peking gene
- Multi-race Phytophthora resistance (Rps1c)
- Best performance on the better soils

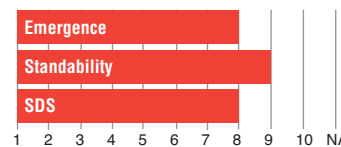


Hughes 777RR



Maturity 2.7

- Good disease package
- Excellent yielding variety
- Phytophthora resistance (Rps1c)
- Cyst resistance is excellent
- Can handle all row width systems
- This big line will stand well for harvest





ROUNDUP READY® SOYBEANS

Roundup Ready® soybeans contain in-plant tolerance to Roundup® brand herbicides, enabling growers to spray labeled brands for Roundup® over the top, from emergence throughout flowering, for superior weed control, excellent crop safety and maximum yield potential. Since they were first introduced several years ago, Roundup Ready® soybeans have shown consistent and reliable performance. Outstanding yields and reduced input costs mean that Roundup Ready® soybeans, used in a Roundup Ready® system, offer growers more profit opportunities than conventional soybean.

28V2™* brand

Maturity 2.8



- “Good as gold!”
- Tremendous yield punch with above average plant height
- Very good SCN races 3 and 14 resistance
- Multi-race Phytophthora resistance (Rps1k)
- Average charcoal rot ratings
- Outstanding brown stem rot ratings
- Above average tolerance to aphids
- Excellent harvest standability

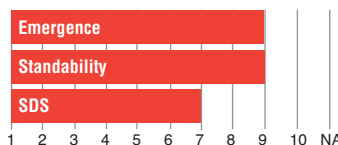


28J0™* brand

Maturity 2.8



- Offensive yields for Illinois and Iowa
- Very good SCN race 3 resistance
- Good iron deficiency chlorosis tolerance
- Very good Sudden Death Syndrome field tolerance
- Excellent shattering resistance
- Good southern movement for maturity

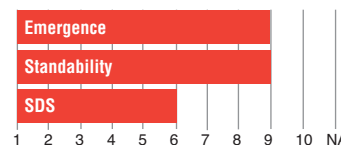


32K0™* brand

Maturity 3.2



- Very good soybean aphid antibiosis
- Multi-race Phytophthora resistance (Rps1k)
- Good Sudden Death Syndrome field tolerance
- Above average frogeye leaf spot tolerance
- Outstanding SCN race 3 resistance
- Taller plant height will provide an edge in stress environments

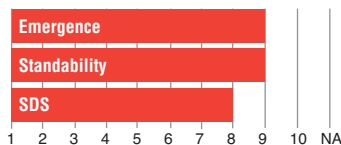


34B9™* brand

Maturity 3.4



- Very good soybean aphid antibiosis
- Multi-race Phytophthora resistance (Rps1k)
- Good Sudden Death Syndrome field tolerance
- Above average frogeye leaf spot tolerance
- Outstanding SCN race 3 resistance
- Taller plant height will provide an edge in stress environments

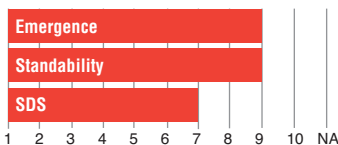


Hoblit 342NRR

Maturity 3.4



- Top yields
- SCN Resistant (PI 88788)
- Phytophthora resistance (Rps1c)
- Brown Stem Rot resistant
- Great SDS score
- Excellent frogeye and charcoal rot resistance

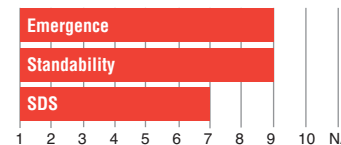


36J3™* brand

Maturity 3.6



- Land lady eye appeal
- Very good SCN resistance
- Ultra high yield potential on all soil types
- Good Phytophthora and SDS resistance
- A new leader for this maturity



<< Scan now for our new products!



Matt Penn Farms, Edina, MO cutting Hoblit 342NRR soybeans.

36C0™* brand

Maturity 3.6



- Multi-race phytophthora resistance (Rps1k)
- Very good SCN race 3 resistance
- Moderate iron deficiency chlorosis tolerance
- Very good Sudden Death Syndrome field tolerance
- Outstanding frogeye leaf spot tolerance
- Excellent harvest standability

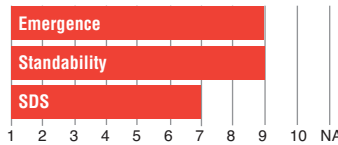


37T1™* brand

Maturity 3.7



- Great companion to 36C0™*
- Lighter soils need narrow rows
- Very good SCN race 3 resistance
- Multi-race Phytophthora resistance (Rps1K)
- Good Sudden Death Syndrome field tolerance
- Good field emergence
- Good harvest standability

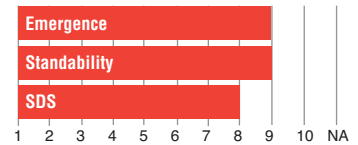


38D2™* brand

Maturity 3.8



- Very stable performance across locations
- Excellent field emergence scores
- Slightly above average plant height and canopy width
- Outstanding SCN race 3 resistance
- Multi-race Phytophthora resistance (Rps1k)
- Very good shattering resistance
- Excellent harvest standability

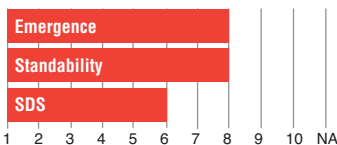


39B3™* brand

Maturity 3.9



- At home in Missouri and southern Illinois
- Excellent frogeye leaf spot tolerance
- Good SCN resistance
- Very bushy plant style for wider rows
- Excellent shattering scores

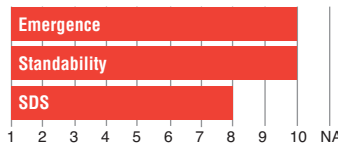


41F9™* brand

Maturity 4.1



- Excellent choice for challenging soils in Southern Illinois and Missouri
- Very good resistance to SCN race 3
- Multi-race Phytophthora resistance (Rps1k)
- Very good Sudden Death Syndrome field tolerance
- Very good frogeye leaf spot tolerance
- Above average tolerance to the charcoal rot/drought complex
- Excellent field emergence

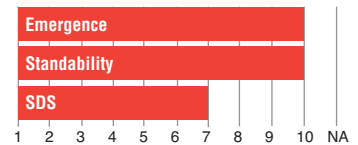


43D1™* brand

Maturity 4.3



- Very good soybean aphid antibiosis
- Multi-race Phytophthora resistance (Rps1k)
- Good Sudden Death Syndrome field tolerance
- Above average frogeye leaf spot tolerance
- Outstanding SCN race 3 resistance
- Taller plant height will provide an edge in stress environments





LIBERTYLINK[®] SOYBEANS

LibertyLink[®] soybeans with Liberty[®] herbicide enables growers to effectively avoid or manage weed resistance as the only nonselective alternative to glyphosate-tolerant systems. LibertyLink soybean varieties combine elite genetics and excellent crop safety with built-in tolerance to the powerful, postemergence weed control of Liberty. High-yielding LibertyLink soybean varieties are available in a range of maturities.

Liberty herbicide applied over the top of LibertyLink soybean varieties provides cost-effective, nonselective postemergence control of broadleaf and grass weeds, including weeds resistant to glyphosate and multiple herbicide classes.

LIBERTY[®] HERBICIDE

Liberty[®] herbicide provides growers cost-effective, nonselective, postemer-

gence weed management in days vs. weeks, across all LibertyLink[®] crops including corn, soybeans, cotton and canola. Liberty delivers powerful control of broadleaf and grass weeds, including weeds resistant to glyphosate and multiple herbicide classes. Additionally, Liberty can be applied as a burndown treatment prior to planting or prior to emergence of any soybean, cotton, corn, canola, or sugar beet crop. It is a valuable tool prior to emergence of glyphosate-tolerant crops to provide a clean start, free of tough-to-control or resistant weeds.

The LibertyLink trait with Liberty herbicide helps growers to effectively manage weed resistance, while enabling nonselective herbicide rotation on a whole farm basis. The LibertyLink trait is available in LibertyLink soybean varieties.

LIBERTYLINK PATENT STATEMENT

Soybean seeds containing the LibertyLink[®] trait are protected under multiple United States patents and may be planted only to produce one (1) commercial crop and only after signing a Grower Trait License agreement. It is illegal to save or catch soybean seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

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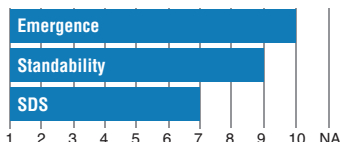
Hoblit 343LL

Maturity 3.4

LIBERTY
LINK



- A great new Liberty Link variety
- Taller plant type
- Very good SCN tolerance
- Very good Phytophthora scores
- Good defensive package



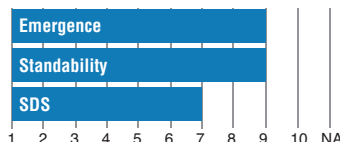
Hoblit 372LL

Maturity 3.7

LIBERTY
LINK



- Consistently high yields
- Taller plant type with good branching
- Very good SDS tolerance
- Good lodging and shattering scores
- Very good Phytophthora scores with k gene
- Will work in areas where weed resistance is a problem



Hoblit 423LL

Maturity 4.2

LIBERTY
LINK



- Tremendously high yield potential
- Tall plant with good branching
- Great Phytophthora protection – Rps3a gene
- Good SCN scores
- Will work in the Roundup weed resistant areas of Illinois and Missouri





Soybean ratings and characteristics.

Roundup Ready Soybeans	Maturity	SCN	Emergence	Standability	PRR	BSR	SDS	White mold	Canopy width	Plant Ht.	Lt. Soils	Pubescence
Hughes Brand HH201	2.1	NA	8	9	7	10	NA	8	7	8	8	L. Tawny
Power Plus® Brand 23Z1™*	2.3	PI88788	10	10	7	5	6	6	6	8	5	L. Tawny
Hughes Brand 454RR	2.4	NA	9	9	8	10	NA	8	7	8	7	L. Tawny
Hughes Brand 555RR	2.5	PI88788	9	9	7	8	8	7	7	8	7	L. Tawny
Power Plus® Brand 25G3™*	2.5	Peking	9	9	7	6	6	6	7	6	5	Gray
Hughes Brand 777RR	2.7	PI88788	8	9	8	8	8	6	8	9	8	L. Tawny
Power Plus® Brand 28J0™*	2.8	PI88788	9	9	5	4	7	5	7	7	6	L. Tawny
Power Plus® Brand 28V2™*	2.8	PI88788	9	9	5	10	7	5	7	8	8	L. Tawny
Power Plus® Brand 32K0™*	3.2	PI88788	9	9	6	4	6	5	7	9	7	L. Tawny
Hoblit Brand HB342NRR	3.4	PI88788	9	9	5	7	7	5	8	9	8	Tawny
Power Plus® Brand 34B9™*	3.4	PI88788	9	9	6	6	8	5	7	8	7	L. Tawny
Power Plus® Brand 36C0™*	3.6	PI88788	10	10	5	NA	8	NA	7	6	5**	L. Tawny
Power Plus® Brand 36J3™*	3.6	PI88788	9	9	7	NA	7	NA	7	7	7	L. Tawny
Power Plus® Brand 37T1™*	3.7	PI88788	9	9	6	NA	7	NA	8	7	8	L. Tawny
Power Plus® Brand 38D2™*	3.8	PI88788	9	9	6	NA	7	NA	7	7	8	L. Tawny
Power Plus® Brand 39B3™*	3.9	PI88788	8	8	6	NA	6	NA	8	7	9	Tawny
Power Plus® Brand 41F9™*	4.1	PI88788	10	10	6	NA	8	NA	7	9	8	L. Tawny
Power Plus® Brand 43D1™*	4.3	PI88788	10	10	7	NA	7	NA	7	5	5**	L. Tawny
Liberty Link soybeans												
Hoblit Brand HB343LL	3.4	NA	10	9	8	NA	7	NA	7	8	7	L. Tawny
Hoblit Brand HB372LL	3.7	NA	9	9	8	NA	8	5	7	7	7	L. Tawny
Hoblit Brand HB423LL	4.2	NA	10	9	8	NA	7	NA	7	8	8	L. Tawny

Ratings: 10 = Best, 1 = Poorest NA = Not Available

* Power Plus® Brand is distributed by Burrus



Powerful Soybeans

Growers from Kansas City, MO to Madison, WI are increasing their acres of Power Plus® and Hughes soybeans. The reasons are simple — quality seed, excellent service and top yields. If you have not tried our soybeans yet, find out what you have been missing.

Soybean Planting rates (1,000 seeds per acre)

Row width	7.5 inch	15 inch	30 inch
Untreated	190 - 200	165 - 175	150 - 160
PowerShield®	160 -170	135 -145	125 - 135

Use higher end of range in less than ideal conditions.



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