



TRUST

MEANS DOING THE LITTLE THINGS RIGHT.



2012

PRODUCT SELECTION GUIDE



Think PERFORMANCE Think TECHNOLOGY Think VALUE



Earning more of your business

Dear Grower,

Be sure you put your feet in the right place, then stand firm.

- Abraham Lincoln

Ag industry headlines remind us that independent, family-owned seed companies face an uncertain future with unknown challenges. So why does the Burrus-Hughes alliance forge ahead?

Because now more than ever our mission is clear. We are an important choice for growers and we make a difference. Competition made America great and is vital to the integrity of the industry. We count it a privilege everyday to provide the very best for our customers in seed and service.

What is ahead? Burrus launched the largest percentage of Optimum® AcreMax® 1 and Optimum® AcreMax® RW than any other company in 2011. This refuge simplified system is just one step to bring you the ultimate in convenience — a single-bag system. Upon regulatory approval, Optimum® AcreMax® insect protection products would offer growers an option for single-bag refuge in areas that only require above-ground insect protection. Optimum® AcreMax® Xtra insect protection products would offer growers an option for single-bag refuge in areas needing both above-and below-ground insect protection.

A high-yielding portfolio of Roundup Ready® soybeans has been introduced to rave reviews. While we continue our decades-long tradition of providing quality seed corn, the convenience and value of doing business with us has increased with our offering of PowerShield™ treated beans.

Two new full-season soybeans with the Liberty Link® gene trait are available. Roundup-resistant weeds are showing up in several areas; we recommend rotation of chemicals to avoid or cope with them.

It is our belief that we are worthy of your business in many, many ways. Whether it is better ideas or better policies like our 100% Free Replant guarantee, we will continue to outdo the big-trait development seed companies. Outstanding performance is experienced by growers when we help them fully

utilize their high-tech equipment by working with our Precision Farming Consultants.

Our ability to build a complete cropping plan for seed corn and soybeans, maximizing insect control and herbicide programs has brought another level of confidence and profitability to farmers. Use our family product cards and be confident that you can diversify genetic backgrounds for maximum protection and high performance.

Our background is seed, seed, seed. The new management of trait suppliers is largely from a chemical background. It's obvious that the Burrus background gives you a stronger opportunity. The seed business is built on trust, and for generations we have treated growers with the utmost respect. Sadly, some suppliers have stretched the truth in their rush to market new technology. We continue to put TRUST over the need to make fast sales.

Without question, we are committed to the future.

We conduct over 40,000 tests annually to identify the best in genetics, traits, grain profile and agronomic strengths. You'll find that we have potential access to more germplasm than many of the big seed companies. Our "stress soil" focus has identified products that work across an array of soils.

The big companies only test on flat black ground. Our approach is vital if you farm on more than one soil type. With the Hoblit brand and alliance with Hughes Hybrids, together we offer more selections than virtually any company of any size. You have a spectrum of choice with various brands, but all under the Burrus umbrella of quality and tradition.

The growers — and that number continues to grow — who have planted their feet with us now stand more firm than ever before. We invite you to join us. Under the Burrus umbrella, you'll find that integrity still matters and trust means doing the little things right.

Successfully,

Tom Burrus *David Hughes*

Tom Burrus and David Hughes

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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 76-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 Ignite 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.

Think Value

At Burrus, we measure success by customer satisfaction. We sell solutions for your farm. Burrus delivers 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 Burrus 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 experiencing the value Burrus delivers.

Think Burrus

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



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*Power Plus® Brand Seed Corn distributed by Burrus
*Power Plus® Brand Soybeans distributed by Burrus



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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.

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Think
BURRUS



**POWER
PLUS**





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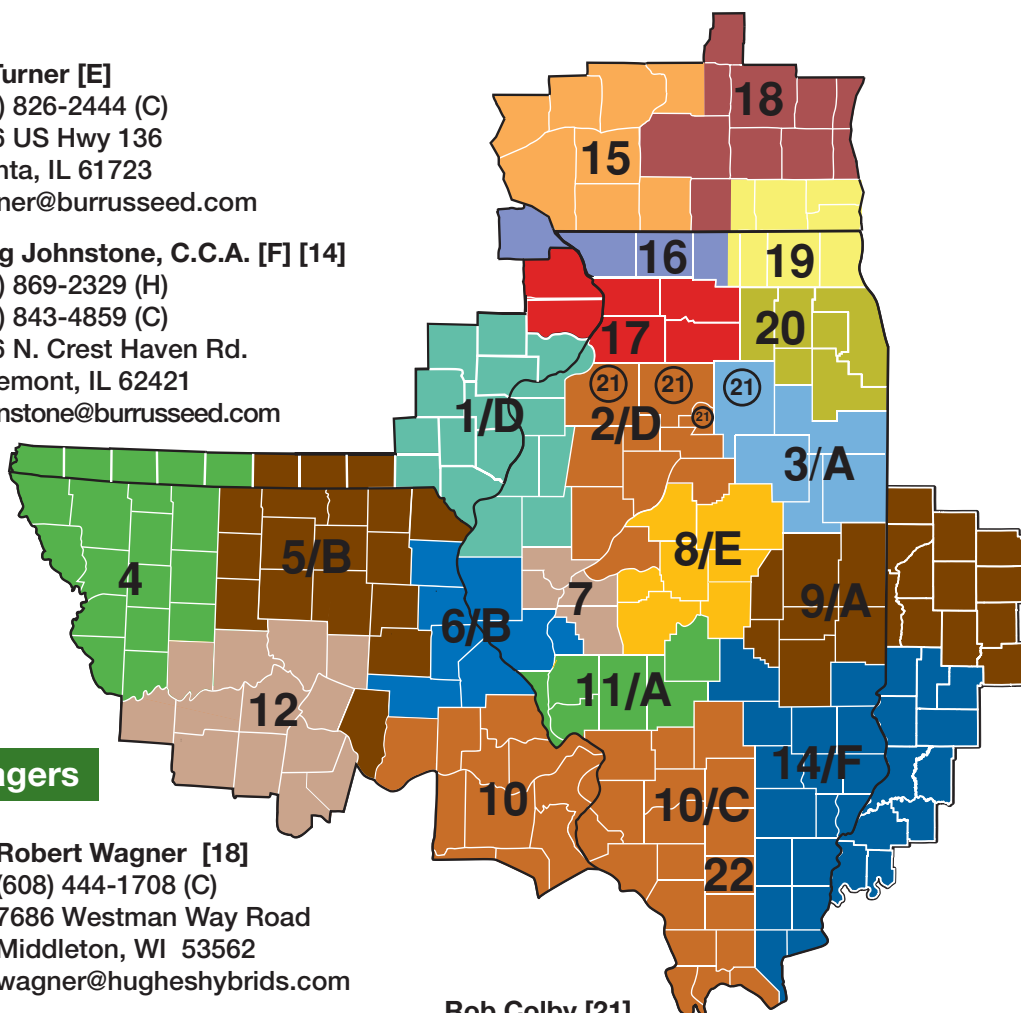
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Updated Burrus numbering system for 2012

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 ed. 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™*	113	Optimum® AcreMax® Xtra	AMX	Herculex Xtra, YieldGard Corn Borer, Roundup Ready
7P44AM™*	114	Optimum® AcreMax®	AM	Herculex I Corn Borer, YieldGard Corn Borer, Roundup Ready
4A30AM1™*	108	Optimum® AcreMax® 1 insect protection	AM1	AM1, CRW, Ignite® (LL), Roundup Ready® (RR) and 10% blended CRW refuge, Herculex® I/RR2/Ignite.
4M31AMRW™*	108	Optimum® AcreMax® RW insect protection	AMRW	AMRW, CRW, RR and 10% blended ECB refuge – RR only
4431 GTV	104	Agrisure Viptera 3111	(GTV)	Agrisure broad lepidopteran, Corn Borer, Corn Rootworm, glyphosate and Ignite tolerant
4C58 Q	108	Quad, Herculex Xtra	(Q)	Corn Borer, Corn Rootworm, Ignite & Roundup Ready
4J63 T	108	Triple, YieldGard VT3®	(T)	Corn Borer, Corn Rootworm & Roundup Ready
6J36GT3	112	Quad, Agrisure® 3000GT	(GT3, Q)	Corn Borer, Corn Rootworm, Ignite & Roundup Ready
4V43 S™*	108	Stacked	(S)	Herculex I Corn Borer & Roundup Ready
3C98 R™*	107	Roundup Ready®	(R)	Roundup Ready, glyphosate
3310GT	103	Glyphosate tolerant	(GT)	Agrisure® GT
591L	111	LibertyLink®, Ignite®	(L)	Ignite tolerant, glufosinate tolerant
5R66 B™*	111	Borer	(B)	Herculex I Corn Borer, Ignite
6B50	113	Conventional non GM	no letters	no traits
1285 GCL	94	Agrisure stack	(GCL)	Agrisure corn borer, glyphosate, Ignite tolerant

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



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

Burrus seed sizes & seed treatment key

Size	Letter designation	Link word	Seed treatment
PS4 (replaces PX4)	PS	Power Shield™	Poncho® or Cruiser® 250
BX4	BX	Burrus Xtra	Poncho® 500
HP4	HP	High rate Poncho	Poncho® 1250 w/Votivo
BN4	BN	Burrus Nematicide	Avicta® Duo w/Cruiser® 500

+ The number represents the weight of an 80,000 kernel unit. For example the “4” in PS4 indicates that an 80,000 kernel unit weighs between 40 and 49.5 lbs. PS5 will weigh between 50 and 59.5 lbs.

Hoblit & Hughes seed sizes and seed treatment key

Former Hughes size	Former Hoblit size	Burrus designation	Link word	Seed treatment
F2	MF	PSF	Power Shield™	Poncho® or Cruiser® 250
F2	MF	BXF	Burrus Xtra	Poncho® 500
F2	MF	HPF	High rate Poncho	Poncho® 1250
R2	MR	PSR	Power Shield™	Poncho® or Cruiser® 250
R2	MR	BXR	Burrus Xtra	Poncho® 500

+ The number represents the weight of an 80,000 kernel unit. For example the “4” in PS4 indicates that an 80,000 kernel unit weighs between 40 and 49.5 lbs. PS5 will weigh between 50 and 59.5 lbs. BXR or BXF will weigh 38 lbs./unit minimum.



What you have been asking for...has now arrived!



The ultimate in technology preservation.

The next generation integrated refuge products, Optimum® AcreMax® and Optimum® AcreMax® Xtra insect protection, will 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. They should assist in increasing overall farm yields by reducing refuge and help ensure the durability of important traits through built-in IRM compliance.

The ultimate in Simplicity

Traditionally, growers have needed to plant a 20 percent 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/farm with one product, eliminating the need for traditional style refuge.

Delivering Solutions and Choice!

Optimum AcreMax products are offered in two versions, both of which allow growers to reduce refuge. For above-ground only protection, Optimum AcreMax includes Herculex® I stacked with YieldGard® Corn Borer. For growers needing above- and below-ground protection, Optimum AcreMax Xtra combines Herculex® XTRA stacked with YieldGard® Corn Borer. Both of these system contain only Glyphosate tolerance, not Glufosinate tolerance.

By eliminating the need for separate refuge plantings, more acres are protected with the industry-leading Herculex family of traits, thus increasing harvestable yield.

Delivering Value by maximizing farm yields

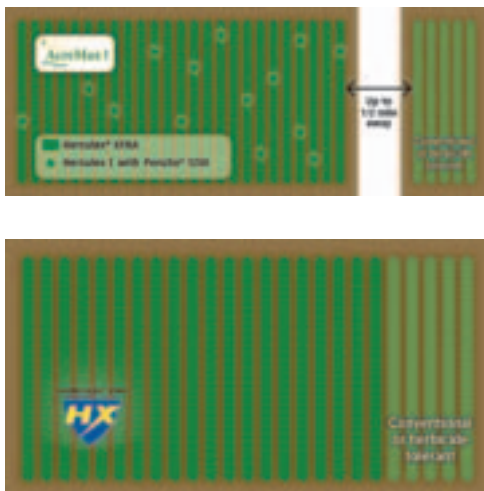
Approximately 15 million North America corn acres are planted to insect refuge every year. These acres are at risk from a complex of corn rootworm, corn borer and other corn pests causing millions of dollars in annual losses. Planting the Optimum AcreMax system would enable growers to protect yield on more acres using proven traits.

In the Power Plus brand there are three major points to consider:

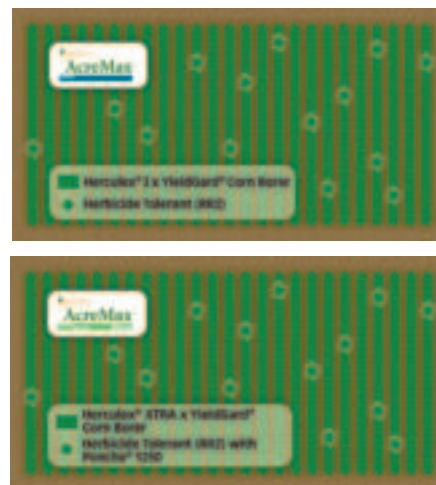
1. The products are in proven genetic families,
2. The technology works and has been confirmed effective time and time again
3. These systems effectively simplify the refuge need.

Grower Value at a Glance = Simplified Refuge + Maximized Farm Yields+ Technology Preservation.

Current Refuge



Single-bag Refuge Concept



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**At least 20 percent of acres must be planted to refuge (or 50 percent in cotton growing areas).

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*YieldGard and the YieldGard Corn Borer design are registered trademarks used under license from Monsanto Company.



1285GCL
Brand



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: 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

Refuge Requirements

1285GCL Brand

20% corn borer refuge needed

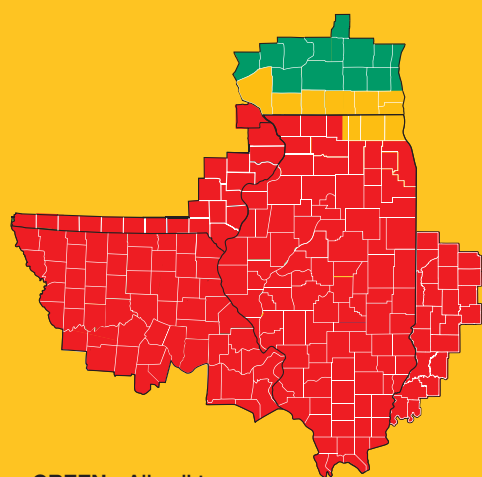
Strengths and Weaknesses

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

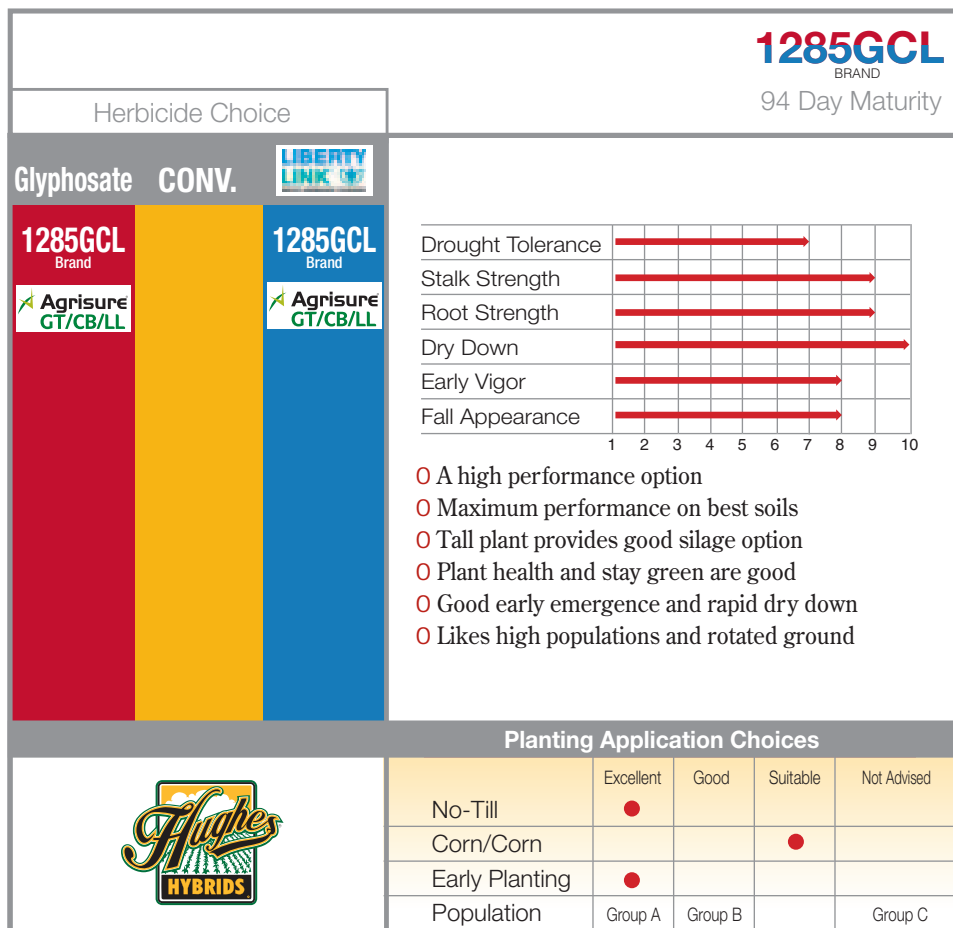
Harvest Information

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
RED - Not recommended



Call the Hughes Office at

1 800 THE CORN
1 800 843 2676



2240GT3

Brand



2240GT3

BRAND

98 Day Maturity

Herbicide Choice

Glyphosate

CONV.

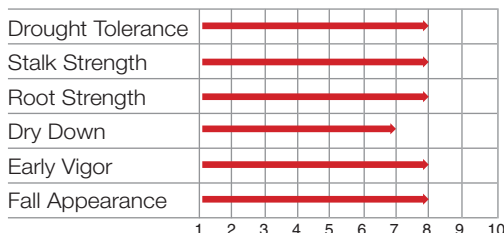


2240GT3
Brand

Agrisure
3000GT

2240GT3
Brand

Agrisure
3000GT



- 1 Excellent stability over all environments
- 1 Watch for GLS and spray fungicides
- 1 Tall high yielding hybrid
- 1 Stalk and root strength are good
- 1 Best adapted to northern environments
- 1 Best with medium to high populations

Planting Application Choices



	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting	●			
Population	Group B	Group A	Group C	

General Characteristics

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

Planting Information

Rates

Adapt to no-till: 8	
Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 7	27 – 31
Clay & varied soils: 7	27 – 31
Wet soils: 7	
Sand (dryland): 6	23 – 27
Sand (irrigated): 9	31 – 35

Refuge Requirements

2240GT3 Brand

20% refuge needed

Strengths and Weaknesses

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

Harvest Information

Grain quality: 8
Test weight: 7
Growing Degree Days to Silk: 1200
Growing Degree Days to 30%: 2068
Growing Degree Days to 20%: NA
Dry down rate: 7
Ear retention: 8
High tonnage silage: 7
Harvest residue: NA

General rating scale:

10 = Outstanding 5 = Average 1 = Poor

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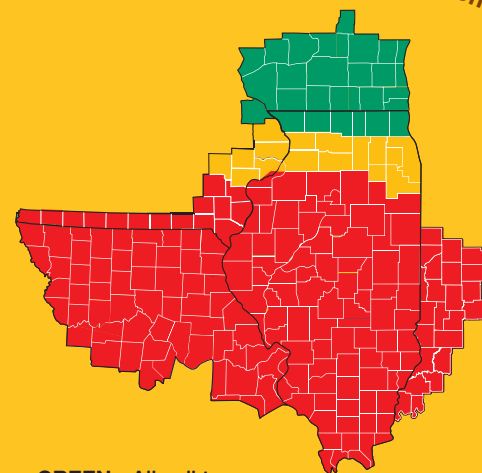
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Toll Free 877-4-BURRUS • burrusseed.com



GREEN - All soil types

YELLOW - Product may not be appropriate for all environments - Place on more productive soils

RED - Not recommended

Check out our website — www.hugheshybrids.com
Scan with your phone, then click on the address that appears.





2795GT3 2450GT New 2691

Brand

Brand

Brand



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

Adapt to no-till: 9
Speed of emergence: 9
High organic soils: 10
Timber soils: 10
Clay & varied soils: 9
Wet soils: 9
Sand (dryland): 8
Sand (irrigated): 9

Rates

31 - 35
27 - 31
27 - 31
23 - 27
31 - 35

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

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

Refuge Requirements

2795GT3 Brand

20% refuge needed

2450GT
Brand

No refuge needed

Refuge Choice

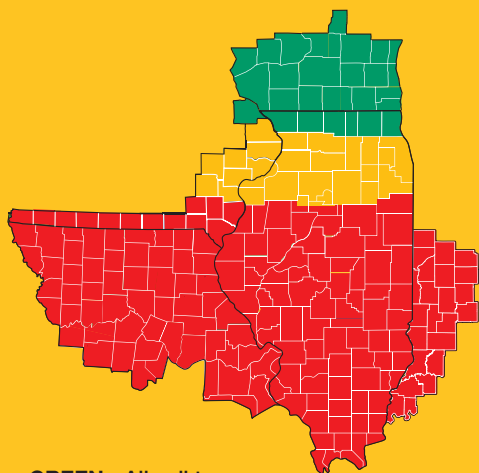
2691
Brand

No refuge needed

Refuge Choice

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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
RED - Not recommended

2795GT3 2450GT 2691

BRAND

BRAND

BRAND

100/98 Day Maturity

Herbicide Choice

Glyphosate CONV.



2795GT3
Brand

Agrisure
3000GT

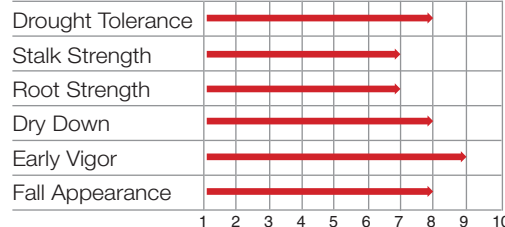
2691
Brand

2795GT3
Brand

Agrisure
3000GT

2450GT
Brand

AgrisureGT



- 1 Tall, showy hybrid
- 1 Emerges rapidly
- 1 Very good health and overall appearance
- 1 Prefers high end yield environments
- 1 Yield history in testing has been remarkable
- 1 Husk flare promotes good dry down





Planting Application Choices



	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn	●			
Early Planting	●			
Population	Group B	Group A	Group C	




New 1H37 Q™*
BRAND
 102 Day Maturity

Herbicide Choice	
 CONV.	 LIBERTY LINK
1H37 Q™* <small>Brand</small> 	1H37 Q™* <small>Brand</small> 

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

☐ Consistent high yields
☐ Good drought tolerance
☐ Good health for maturity
☐ Ear will flex
☐ Will work well for both grain and silage
☐ Great for northern IL and Wisc.

Planting Application Choices				
	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting	●			
Population	Group A	Group B	Group C	



**POWER
PLUS**

BURRUS/HUGHES/HOBLIT 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. In fact we had so many acres to be covered this year, we set up the second 16-row hooded sprayer. 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: 102
 Plant height: 7
 Ear height: 7
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 6

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

Planting Information

Rates

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

Refuge Requirements

1H37 Q™* Brand

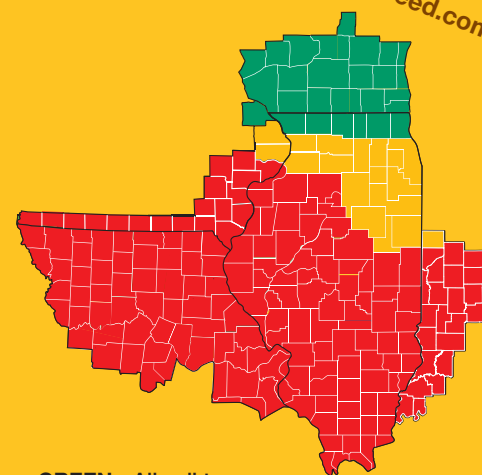
20% refuge needed

Harvest Information

Grain quality: 9
 Test weight: 9
 Growing Degree Days to Silk: NA
 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

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 *Power Plus® brand seed is distributed by Burrus.
 ®Power Plus is a registered trademark of Pioneer Hi-Bred.

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
RED - Not recommended





3309GT3 3310GT

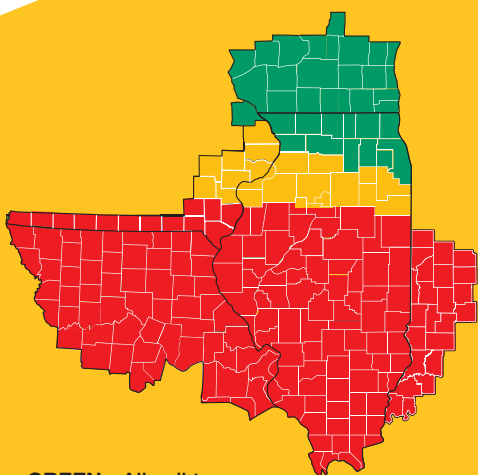
Brand Brand



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!



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

General Characteristics

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

Planting Information

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

Refuge Requirements

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

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

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

3309GT3 3310GT

BRAND BRAND

103/102 Day Maturity

Herbicide Choice

GLYPHOSATE

CONV.



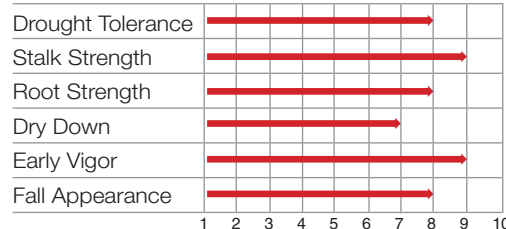
3309GT3 Brand



3310GT Brand



3309GT3 Brand




- Hallmarks are consistency and high yield
- Likes high planting populations
- Swift dry down and good stalk strength
- Medium – tall hybrid stature
- Works in fuller season zones for early harvest
- Scout and treat with fungicide if needed


Planting Application Choices







	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn	●			
Early Planting	●			
Population	Group A	Group B		Group C



Herbicide Choice


CONV.


LIBERTY LINK


2A16AM1™*
 Brand

Optimum AcreMax 1
 ABOVE/BELLOW


2A16AM1™*
 Brand

Optimum AcreMax 1
 ABOVE/BELLOW


2M17AMRW™*
 Brand

Optimum AcreMax 1
 ABOVE/BELLOW

2A16AM1™* **2M17AMRW™***
Brand Brand

104 Day Maturity

Drought Tolerance	8
Stalk Strength	8
Root Strength	8
Dry Down	7
Early Vigor	7
Fall Appearance	7

1 2 3 4 5 6 7 8 9 10

- Excellent yield potential for maturity
- Moderately tall with very good stalks and roots
- Very good drought tolerance
- Fast drydown for early harvest
- Average test weight
- May respond to fungicide applications in corn following corn

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn			●	
Early Planting		●		
Population	Group B	Group C	Group A	

General Characteristics

Relative days to maturity: 104
 Plant height: 6
 Ear height: Med high
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 4

Planting Information Rates

Adapt to no-till: 10	
Speed of emergence: 7	
High organic soils: 10	31 – 35
Timber soils: 8	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 7	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Refuge Requirements

2A16AM1™* Brand

20% corn borer refuge needed

2M17AMRW™* Brand

No refuge needed

Refuge choice for AM1

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
 Fall appearance: 7
 No. leaf blight tolerance: 5
 So. leaf blight tolerance: NA
 Anthracnose tolerance: 5
 Gray leaf spot tolerance: 6
 Diplodia ear rot tolerance: 6

Harvest Information

Grain quality: 8
 Test weight: 4
 Growing Degree Days to Silk: 1320
 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: 10

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*Power Plus® brand seed is distributed by Burrus.

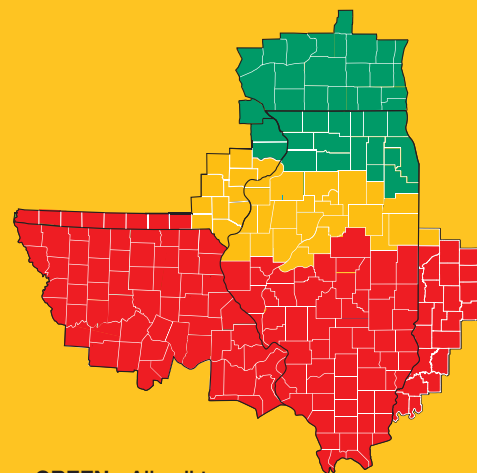
®Power Plus is a registered trademark of Pioneer Hi-Bred.

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

Come see us at the Farm Progress Show

We will have an exhibit at the Farm Progress Show to be held outside Decatur, IL on August 30 & 31 & September 1. Stop by and see our corn and soybean plots, visit with the Burrus folks, and save by placing your order while the show is open. You won't want to miss this opportunity!

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
RED - Not recommended



4431GTV New Brand



Hughes — experience matters

The Hughes brand represents over 75 years of seed and farming experience in northern Illinois. The Hughes family are sixth-generation family farmers who specialize on high-performance seed products crafted for your farm. Their interplanted seed production system and irrigated acres ensure high quality and reliable supply. When you plant Hughes, Burrus, and Hoblit you get more than just a name, you get real people behind the brand.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

General Characteristics

Relative days to maturity: 104
 Plant height: 8
 Ear height: 7
 Ear type: Fixed
 Drought tolerance: 8
 Greensnap tolerance: 4

Planting Information

Adapt to no-till: 9	
Speed of emergence: 8	
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): 7	34 – 38

Rates

Refuge Requirements

4431GTV Brand

20% refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
 General stay green: 7
 No. leaf blight tolerance: 9
 So. leaf blight tolerance: 7
 Anthracnose tolerance: NA
 Gray leaf spot tolerance: 6
 Diplodia ear rot tolerance: NA

Harvest Information

Grain quality: 8
 Test weight: 7
 Growing Degree days to Silk: 1300
 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: NA

New 4431GTV BRAND

104 Day Maturity

Herbicide Choice

GLYPHOSATE

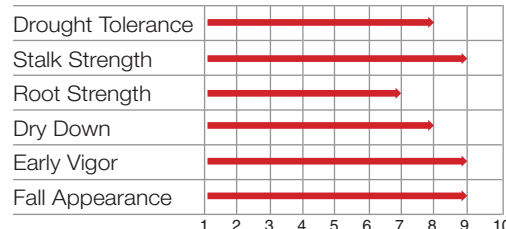
CONV.



4431GTV
Brand



4431GTV
Brand



- New Agrisure Viptera Technology with broad lepidopteran control
- Showy, attractive hybrid
- Good husk flare
- Nice grain finish
- Good late season intactness

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting	●			
Population	Group A	Group B		Group C



Call the Hughes Office at

1 800 THE CORN
1 800 843 2676








4125GT3
Brand

3928GT
Brand

4373
Brand



Herbicide Choice			105/104/105 Day Maturity																																																																		
Glyphosate CONV.																																																																					
<div>4125GT3 Brand</div> <div></div> <div>3928GT Brand</div> <div></div>	<div>4373 Brand</div>	<div>4125GT3 Brand</div> <div></div>	<table><tr><td>Drought Tolerance</td><td colspan="8"><div></div></td></tr><tr><td>Stalk Strength</td><td colspan="8"><div></div></td></tr><tr><td>Root Strength</td><td colspan="8"><div></div></td></tr><tr><td>Dry Down</td><td colspan="8"><div></div></td></tr><tr><td>Early Vigor</td><td colspan="8"><div></div></td></tr><tr><td>Fall Appearance</td><td colspan="8"><div></div></td></tr><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr></table>		Drought Tolerance	<div></div>								Stalk Strength	<div></div>								Root Strength	<div></div>								Dry Down	<div></div>								Early Vigor	<div></div>								Fall Appearance	<div></div>									1	2	3	4	5	6	7	8	9	10
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<div>2 Consistent across locations and environments</div> <div>2 Very good ear flex</div> <div>2 Large plant style with good standability</div> <div>2 Very good fall appearance and intactness</div> <div>2 Husk opens on narrow leaf for reliable dry-down</div> <div>2 Excellent quantity and quality silage</div>																																																																					
Planting Application Choices																																																																					
	No-Till	Excellent	Good	Suitable	Not Advised																																																																
	Corn/Corn																																																																				
	Early Planting																																																																				
	Population	Group B	Group A	Group C																																																																	



General Characteristics

Relative days to maturity: 105/104/105
 Plant height: 6
 Ear height: 9
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 8

Planting Information

Rates	
Adapt to no-till: 9	
Speed of emergence: 9	
High organic soils: 10	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 8	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Refuge Requirements

4125GT3 Brand

20% refuge needed

3928GT Brand

No refuge needed

Refuge Choice

4373 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: 6
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 6

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

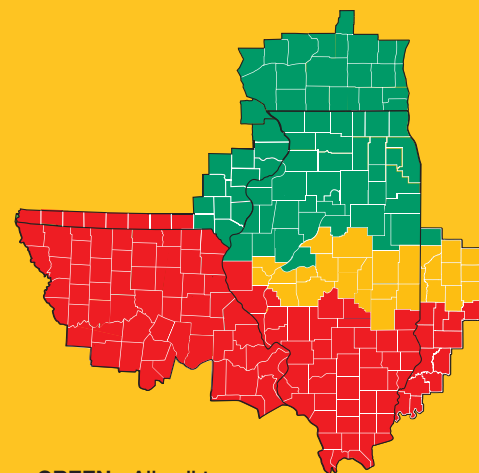
If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

Call the owners

Our commitment is to you, our customers, not stockholders. That means we are willing to help you be successful in anyway we can. If you have a question or concern, don't hesitate to call us. The owners of Burrus and Hughes phone numbers are on page 4 as well as their cell phone numbers. Call us!



General rating scale:
 10 = Outstanding 5 = Average 1 = Poor



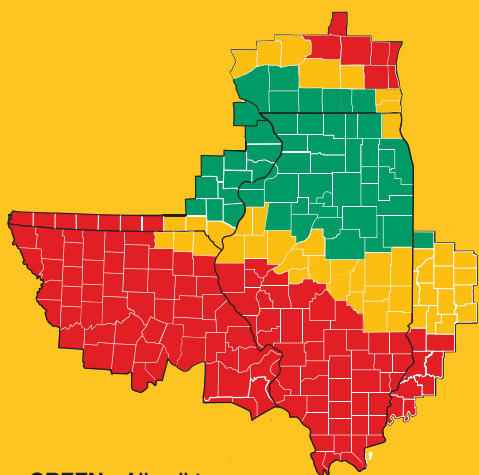
GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended



The Spirit of '76 Lives On with 100% Replant!

100% Free Replant has been the byword at Burrus for 76 years and will again be an important feature. In the past three years we have replaced over 25% of the seed corn in some sales territories. 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.

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
RED - Not recommended

General Characteristics

Relative days to maturity: 107
Plant height: 4
Ear height: Med
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 6

Planting Information Rates

Adapt to no-till: 10	
Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 7	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Refuge Requirements

3C98 R™* Brand

No refuge needed

Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 6
General stay green: 9
No. leaf blight tolerance: 7
So. leaf blight tolerance: 4
Anthracnose tolerance: 6
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 6

Harvest Information

Grain quality: 10
Test weight: 9
Growing Degree days to Silk: 1380
Growing Degree Days to 30%: 2655
Growing Degree Days to 20%: 3100
Dry down rate: 8
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

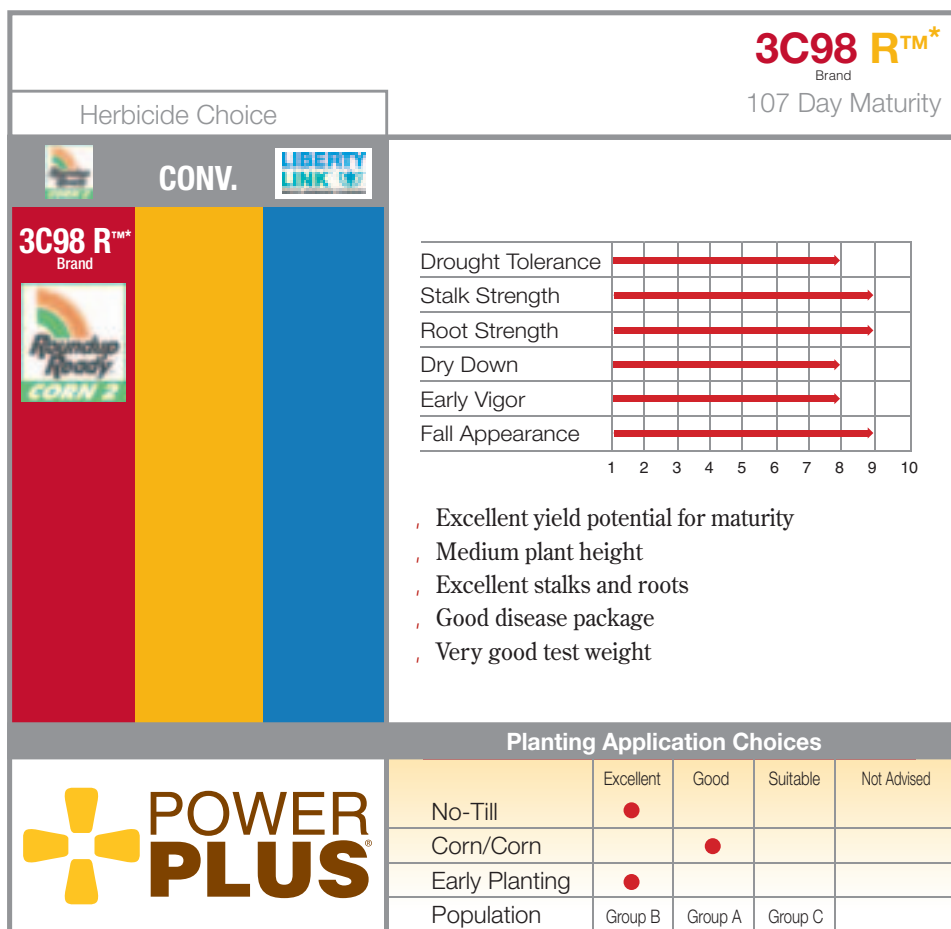
If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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*Power Plus® brand seed is distributed by Burrus.

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

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





5124 GT New 5456GT3

Brand

Brand



5124 GT New 5456GT3
BRAND BRAND

Herbicide Choice

Glyphosate CONV.

5456GT3
Brand

5456GT3
Brand

5124 GT
Brand

5124 GT
Brand

107 Day Maturity

Drought Tolerance	8
Stalk Strength	8
Root Strength	8
Dry Down	8
Early Vigor	9
Fall Appearance	8

1 Excellent ear flex capability
 1 Large plant style but stands very well
 1 Very good fall appearance and intactness
 1 Good leaf disease package
 1 Husks open well for fast dry-down
 1 Height and yield make this hybrid a great silage choice

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn	●			
Early Planting	●			
Population	Group C	Group B	Group A	

General Characteristics

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

Planting Information

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

Refuge Requirements

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

Harvest Information

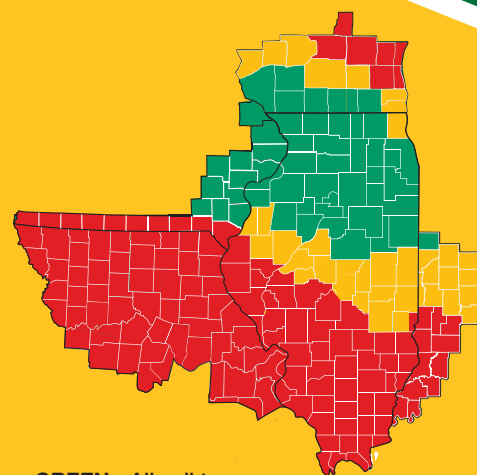
Grain quality: 7
 Test weight: 7
 Growing Degree Days to Silk: 1320
 Growing Degree Days to 30%: 2530
 Growing Degree Days to 20%: NA
 Dry down rate: 8
 Ear retention: 9
 High tonnage silage: 9
 Harvest residue: 9

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

The Color of Profit

We offer products with the traditional refuge requirements of 80% technology and 20% herbicide only or non-GM product protected with granular insecticides. We have shown a color-coded system to indicate which refuge system is needed for the various products to protect the technology and the environment.

For additional reference of any refuge advice, consult www.refugecalculator.com. It will compute the number of units for each field as well as all approved planting configurations.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended



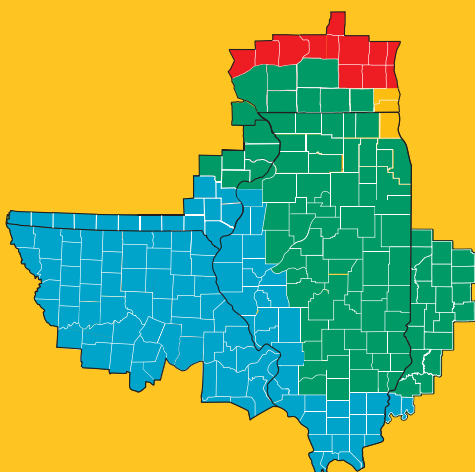
5874
Brand



The Burrus Mission

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

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
RED - Not recommended
BLUE - This product is very susceptible to European and Southwestern corn borer consequently it is not recommended unless other control measures are employed.

General Characteristics

Relative days to maturity: 107
Plant height: 6
Ear height: 8
Ear type: Inter
Drought tolerance: 9
Greensnap tolerance: 7

Planting Information

Adapt to no-till: 10
Speed of emergence: 8
High organic soils: 10
Timber soils: 10
Clay & varied soils: 10
Wet soils: 7
Sand (dryland): 9
Sand (irrigated): 8

Rates

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

Refuge Requirements

5874 Brand

No refuge needed

Refuge Choice

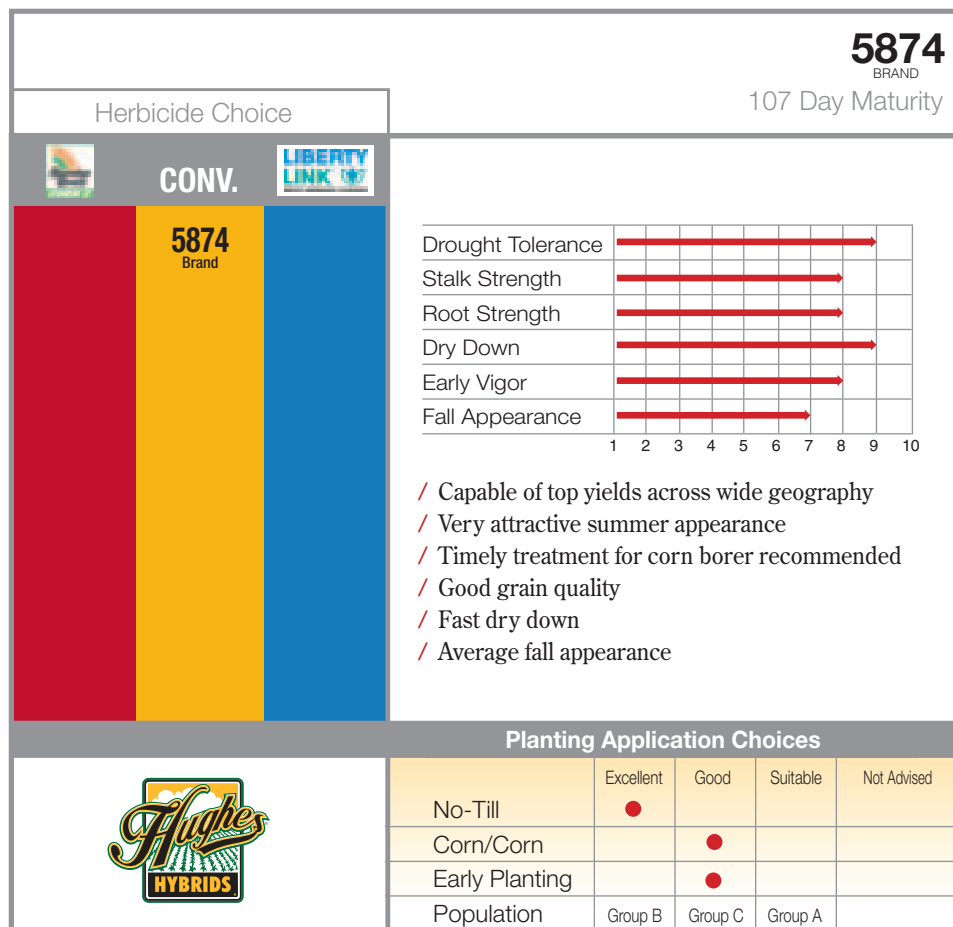
Strengths and Weaknesses

Plant growth regulator sensitivity: 4
Fall appearance: 7
No. leaf blight tolerance: 8
So. leaf blight tolerance: 8
Anthracnose tolerance: 8
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 7

Harvest Information

Grain quality: 10
Test weight: 10
Growing Degree days to Silk: 1340
Growing Degree Days to 30%: 2710
Growing Degree Days to 20%: 3150
Dry down rate: 9
Ear retention: 9
High tonnage silage: 10
Harvest residue: 10

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.





4A30AM1™* Brand

4M31AMRW™* Brand

New 4B32AMX™* Brand

Herbicide Choice

108 Day Maturity

CONV.

LIBERTY LINK

4A30AM1™* Brand

4M31AMRW™* Brand

4B32AMX™* Brand

	1	2	3	4	5	6	7	8	9	10
Drought Tolerance										
Stalk Strength										
Root Strength										
Dry Down										
Early Vigor										
Fall Appearance										

- 1 Superb yield potential
- 1 Single bag refuge for above and below ground insect control.
- 1 Excellent stalk and root strength
- 1 Heavy test weight grain, should make food grade
- 1 Open husks for fast drydown
- 1 Very good drought tolerance

POWER PLUS

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting	●			
Population	Group A	Group B		Group C

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

Adapt to no-till: 10
 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

Refuge Requirements

4A30AM1™* Brand

20% corn borer refuge needed

4M31AMRW™* Brand

No refuge needed

Refuge choice for AM1

4B32AMX™* 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

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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The Ultimate in Simplicity

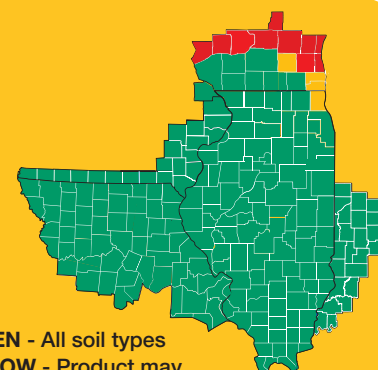
For 2012 the single-bag refuge is now available in the Power Plus® brand. No insecticide needed, no refuge to worry about, just pour and plant!

Maximize Farm Yields. We have proven genetic platforms with this new technology in place. Trust that these products can deliver whole farm performance.

Technology preservation. With the Optimum® AcreMax® above ground and Optimum® AcreMax® Xtra above and below ground technologies, with the single-bag refuge, insect resistance should be extended for a longer period of time.

Choice for growers. Today we offer opportunities to “avoid using granular insecticides.” The new Optimum® AcreMax® and Optimum® AcreMax® Xtra do not need insecticide, nor a separate refuge.

See page 7 for more complete details.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended



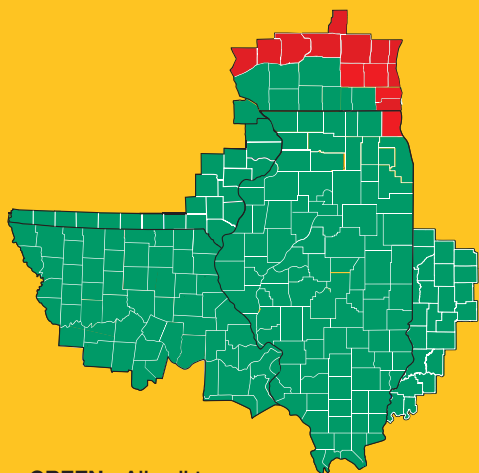
When you win, Burrus wins.

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.



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
RED - Not recommended

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
Adapt to no-till: 10	
Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: 8	
Sand (dryland): 8	23 – 27
Sand (irrigated): 9	31 – 35

Refuge Requirements

4V43 S™* Brand

20% corn borer refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: 7
General stay green: 9
No. leaf blight tolerance: 8
So. leaf blight tolerance: NA
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7

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: 9
High tonnage silage: 7
Harvest residue: 7

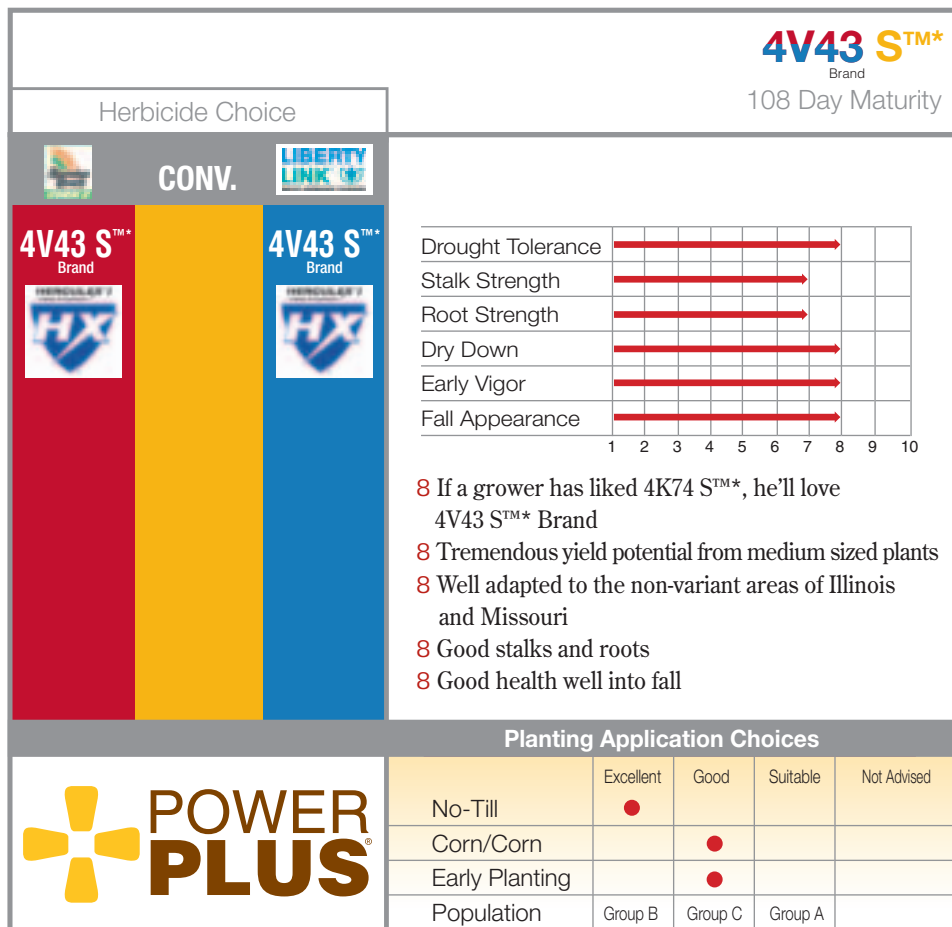
If not Optimum® AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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





6435GT3

Brand



6435GT3
BRAND

108 Day Maturity

Herbicide Choice

Glyphosate CONV.

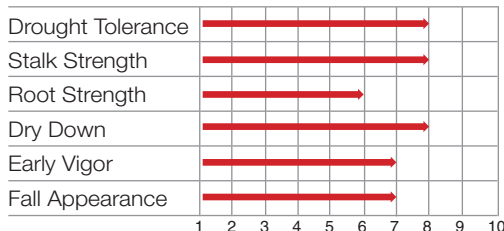


6435GT3
Brand

Agrisure
3000GT

6435GT3
Brand

Agrisure
3000GT



- / Suited for prairie soils of Illinois
- / Good stalk strength with average roots
- / Girthy ears on medium tall plants
- / Fungicide applications may boost top-end
- / Does not like wet feet
- / Good fall appearance

Planting Application Choices



	Excellent	Good	Suitable	Not Advised
No-Till		●		
Corn/Corn		●		
Early Planting		●		
Population	Group B	Group A	Group C	

General Characteristics

Relative days to maturity: 108
Plant height: 6
Ear height: Med
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

Planting Information

Rates

Adapt to no-till: 8	
Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 8	27 – 31
Clay & varied soils: 8	27 – 31
Wet soils: 4	
Sand (dryland): 7	23 – 27
Sand (irrigated): 8	31 – 35

Refuge Requirements

6435GT3 Brand

20% refuge needed

Harvest Information

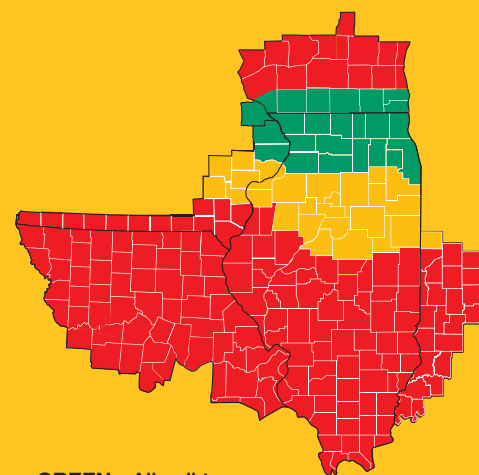
Grain quality: V Hard
Test weight: 7
Growing Degree Days to Silk: 1320
Growing Degree Days to 30%: 2600
Growing Degree Days to 20%: 3160
Dry down rate: 8
Ear retention: 8
High tonnage silage: 10
Harvest residue: 9

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



BOSS 24/7

The **BOSS 24/7** online system makes seed orders easier because it doesn't allow ordering a product out of stock. 97.5% of seed ordered was delivered without even a size adjustment in 2011! Over 85% of all orders last year were entered via the **BOSS 24/7**. Customer payments, shipping, and order status can be checked as the site is updated twice daily.



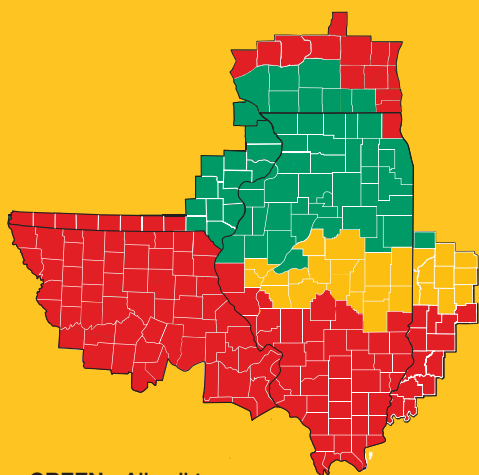
GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

Call the Hughes Office at

1 800 THE CORN
1 800 843 2676

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.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

4C58 Q™* New
 Brand

POWER PLUS

General Characteristics

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

Planting Information

Adapt to no-till: 8
 Speed of emergence: 7
 High organic soils: 10
 Timber soils: 9
 Clay & varied soils: 9
 Wet soils: NA
 Sand (dryland): 8
 Sand (irrigated): 9

Rates

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

Refuge Requirements

4C58 Q™* Brand

20% refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: 4
 Fall appearance: 6
 No. leaf blight tolerance: 7
 So. leaf blight tolerance: NA
 Anthracnose tolerance: 6
 Gray leaf spot tolerance: 6
 Diplodia ear rot tolerance: 7

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: 7
 Ear retention: 9
 High tonnage silage: 10
 Harvest residue: 10

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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

New 4C58 Q™*
 Brand

109 Day Maturity

Herbicide Choice	
 CONV. 	 LIBERTY LINK

4C58 Q™* Brand

4C58 Q™* Brand

Drought Tolerance 8

Stalk Strength 5

Root Strength 7

Dry Down 7

Early Vigor 7

Fall Appearance 6

○ Tall plants with low ear placement

○ Excellent test weight, food grade candidate

○ Somewhat susceptible to gray leaf spot, consider spraying with fungicide

○ Good drought tolerance

○ Put this workhorse in your stable and reap the benefits

Planting Application Choices				
	Excellent	Good	Suitable	Not Advised
No-Till		●		
Corn/Corn			●	
Early Planting		●		
Population	Group B	Group A	Group C	


POWER PLUS




4J63 T
Brand

108 Day Maturity

Herbicide Choice



CONV.



	1	2	3	4	5	6	7	8	9	10
Drought Tolerance	—————→									
Stalk Strength	————→									
Root Strength	————→									
Dry Down	————→									
Early Vigor	————→									
Fall Appearance	————→									

- Tremendous top end yield potential
- Best at medium plant populations
- Good roots with average stalks
- Will work on various soil types, especially sand and light soils

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn			●	
Early Planting	●			
Population	Group C		Group B	Group A



Hands down better

Burrus continues to commit to growing their business by the installation of a new fully automatic blending and bagging as well as a robot stacking packaging line. Go to www.burruseed.com to view the robot in action. Every step of the line is designed to efficiently deliver the very best possible product to your farm.

General Characteristics

Relative days to maturity: 108
Plant height: 6
Ear height: 7
Ear type: Inter
Drought tolerance: 10
Greensnap tolerance: 8

Strengths and Weaknesses

Plant growth regulator sensitivity: 4
Fall appearance: 7
No. leaf blight tolerance: 8
So. leaf blight tolerance: 8
Anthracnose tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8

Planting Information Rates

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

Refuge Requirements

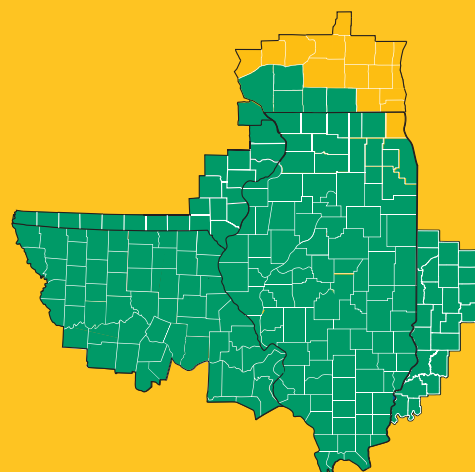
4J63 T Brand

20% refuge needed

Harvest Information

Grain quality: 8
Test weight: 7
Growing Degree Days to Silk: 1290
Growing Degree Days to 30%: 2675
Growing Degree Days to 20%: 3100
Dry down rate: 10
Ear retention: 8
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
RED - Not recommended



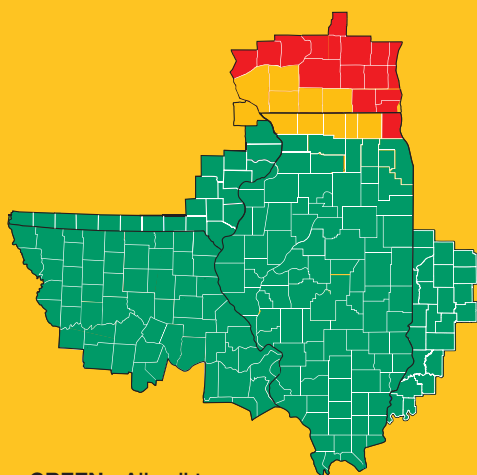
Hills, Dips, and Flat Out Black ...We've Got It Covered

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 germplasm 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.

Toll Free 877-4-BURRUS • burrusseed.com

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
RED - Not recommended

General Characteristics

Relative days to maturity: 110
Plant height: 8
Ear height: 8
Ear type: Inter
Drought tolerance: 7
Greensnap tolerance: 4

Planting Information

Planting Information	Rates
Adapt to no-till: 8	
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): 9	31 – 35

Refuge Requirements

5A45AM1™* Brand

20% corn borer refuge needed

5M46AMRW™* Brand

No refuge needed

Refuge choice for AM1

5G42™* Brand

No refuge needed

Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 7
Fall appearance: 7
No. leaf blight tolerance: 6
So. leaf blight tolerance: 6
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 6

Harvest Information

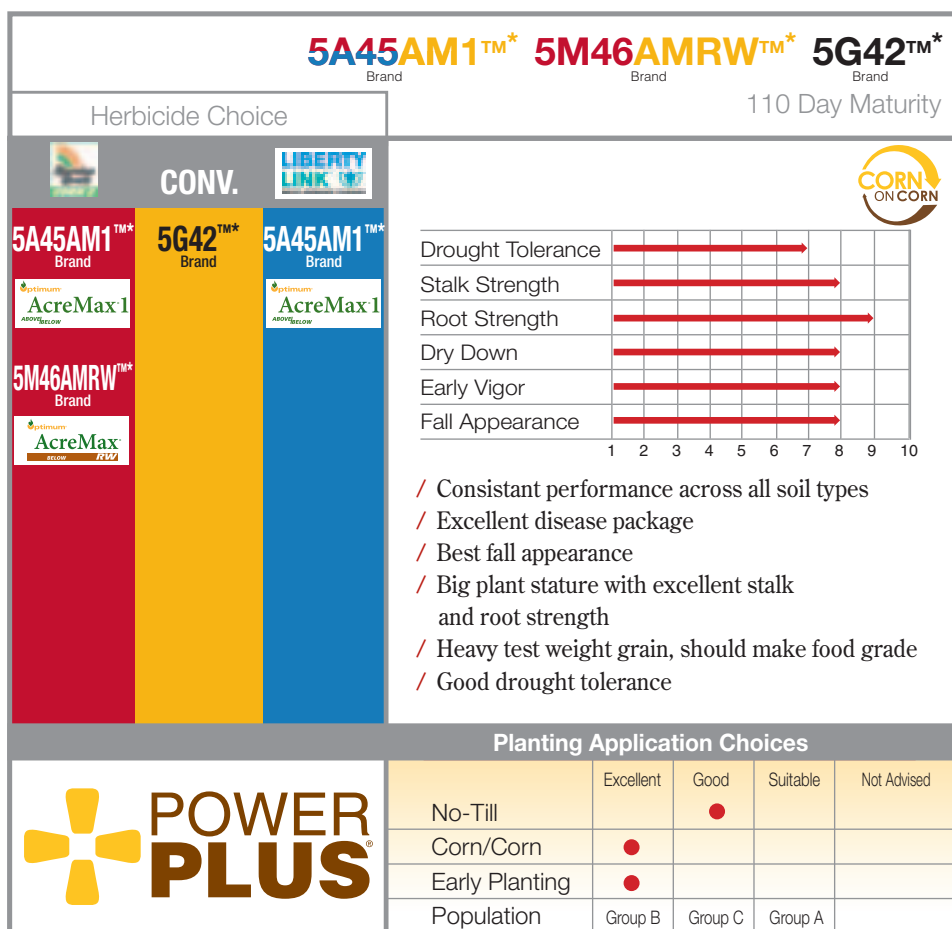
Grain quality: 10
Test weight: 9
Growing Degree Days to Silk: 1440
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 8
Ear retention: 6
High tonnage silage: 10
Harvest residue: 10

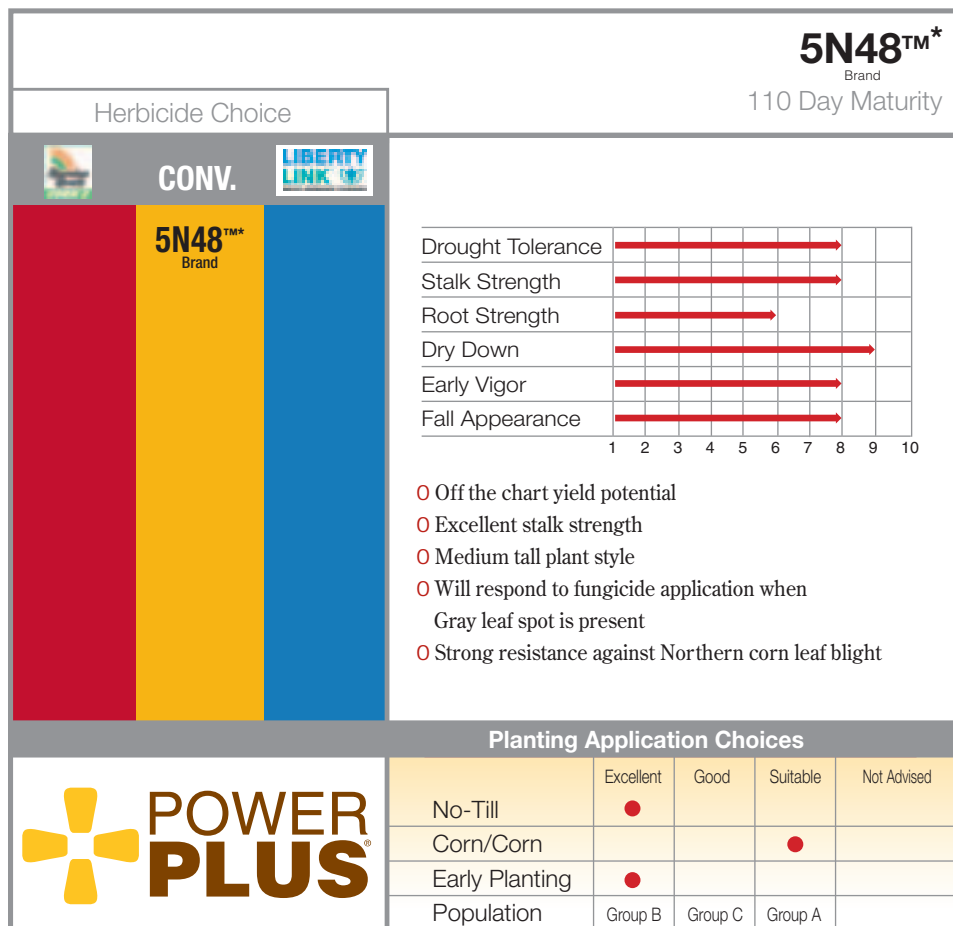
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Optimum® AcreMax® 1 and Optimum® AcreMax® RW insect protection products available in the Power Plus® brand.

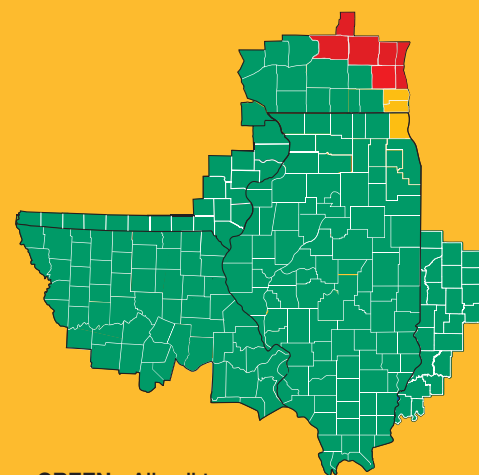




Strike a blow for LibertyLink®!

New full season soybeans with LibertyLink® gene now available!

Roundup resistant weeds are showing up in several areas. We recommend rotation of chemicals to avoid or cope with them. Many of our corn products carry the Ignite® resistance, and now we are offering two soybean varieties with the LibertyLink gene at the 3.7 and 4.1 maturities to allow growers the choice of alternating chemical programs in any crop rotation system. These new LibertyLink soybeans will carry the Hoblit® brand name. Order while supply lasts.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

General Characteristics

Relative days to maturity: 110
 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

Planting Information

Adapt to no-till: 10
 Speed of emergence: 8
 High organic soils: 10
 Timber soils: 8
 Clay & varied soils: 8
 Wet soils: 9
 Sand (dryland): 7
 Sand (irrigated): 8

Rates

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

Refuge Requirements

5N48™* Brand

No refuge needed

Refuge Choice

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

Call us **1 877 4BURRUS**
1 877 428 7787

24/7/365

We strive to do our best 24 hours a day, 7 days a week all year long. That's our commitment to our customers. Our service doesn't stop with the sale.



5557VT3

Brand



General Characteristics

Relative days to maturity: 111
Plant height: 8
Ear height: 7
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 7

Planting Information

Adapt to no-till: 10
Speed of emergence: 9
High organic soils: 10
Timber soils: 9
Clay & varied soils: 10
Wet soils: 7
Sand (dryland): 7
Sand (irrigated): 8

Rates

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

Refuge Requirements

5557VT3 Brand

20% refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: 4
Fall appearance: 7
No. leaf blight tolerance: 8
So. leaf blight tolerance: 9
Anthracnose tolerance: 8
Gray leaf spot tolerance: 9
Diplodia ear rot tolerance: 7

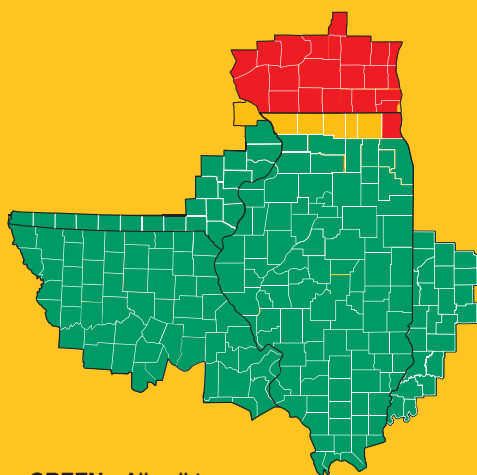
Harvest Information

Grain quality: 8
Test weight: 7
Growing Degree days to Silk: 1295
Growing Degree Days to 30%: 2755
Growing Degree Days to 20%: 3210
Dry down rate: 8
Ear retention: 8
High tonnage silage: 7
Harvest residue: 7

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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

RED - Not recommended

5557VT3

Brand

111 Day Maturity

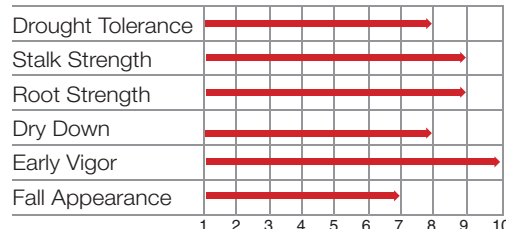
Herbicide Choice



CONV.



5557VT3
Brand

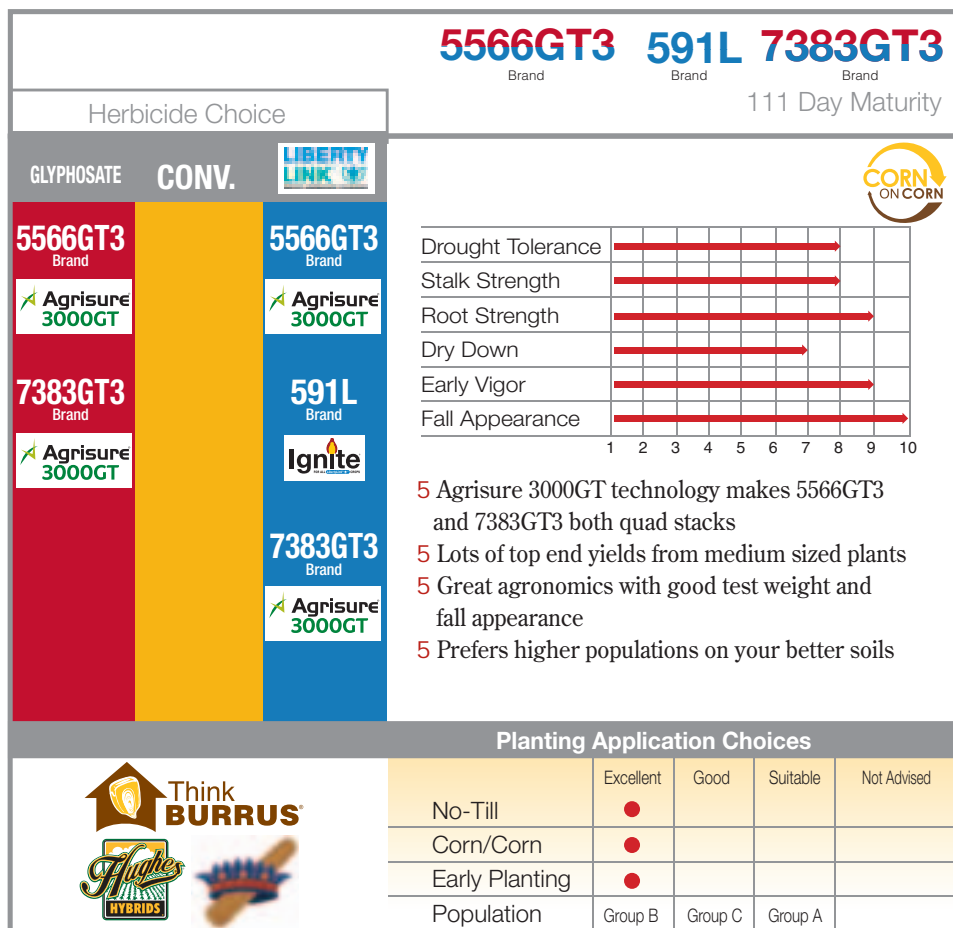


- Top end yield potential from medium plant size
- Very good stalks will handle high pops
- Adapted to various soil types
- Heavy test weight grain
- Excellent choice for no-till

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting	●			
Population	Group B	Group C	Group A	





General Characteristics

Relative days to maturity: 111
Plant height: 7
Ear height: 8
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 8

Planting Information Rates

Adapt to no-till: 10
Speed of emergence: 8
High organic soils: 10
Timber soils: 8
Clay & varied soils: 9
Wet soils: 8
Sand (dryland): 8
Sand (irrigated): 8

31 – 35

27 – 31

27 – 31

23 – 27

31 – 35

Refuge Requirements

5566GT3 Brand and 7383GT3 Brand

20% refuge needed

591L Brand

No refuge needed

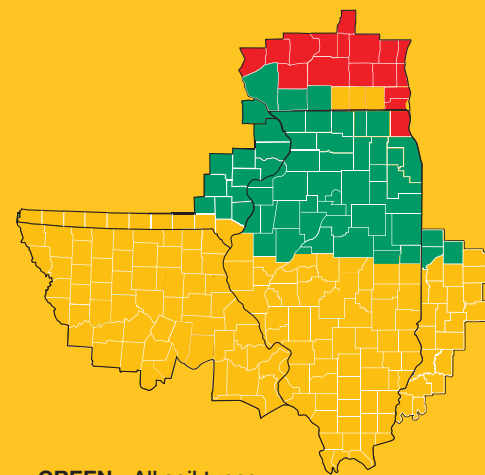
Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 5
Fall appearance: 10
No. leaf blight tolerance: 7
So. leaf blight tolerance: 8
Anthracnose tolerance: 8
Gray leaf spot tolerance: 9
Diplodia ear rot tolerance: 8

Harvest Information

Grain quality: 8
Test weight: 8
Growing Degree Days to Silk: 1290
Growing Degree Days to 30%: 2690
Growing Degree Days to 20%: 3145
Dry down rate: 7
Ear retention: 10
High tonnage silage: 8
Harvest residue: 8

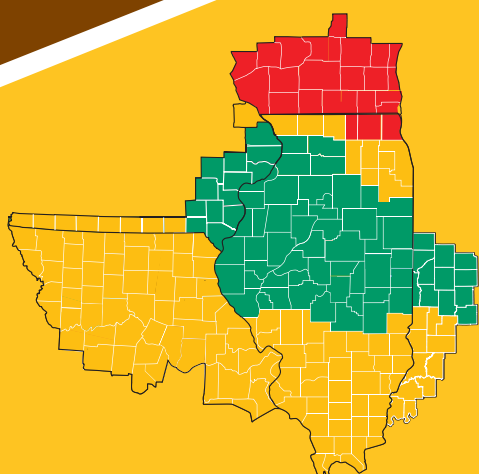


GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended



Growers look forward to a single bag refuge solution

We are excited about the Optimum® AcreMax® 1 and Optimum® AcreMax®RW systems that tout a full battery of maturities to fit across all soils. Upon regulatory approval, Optimum® AcreMax® Xtra insect protection products would offer growers an option for single-bag refuge in areas needing both above-and below-ground insect protection. Optimum® AcreMax® insect protection products would offer growers an option for single-bag refuge in areas that only require above-ground insect protection. Each product will be labeled clearly so you will know how to handle them correctly, when the registration is complete.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

General Characteristics

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

Planting Information

Adapt to no-till: 9
 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

Refuge Requirements

6A12AM1™* Brand

20% corn borer refuge needed

Strengths and Weaknesses

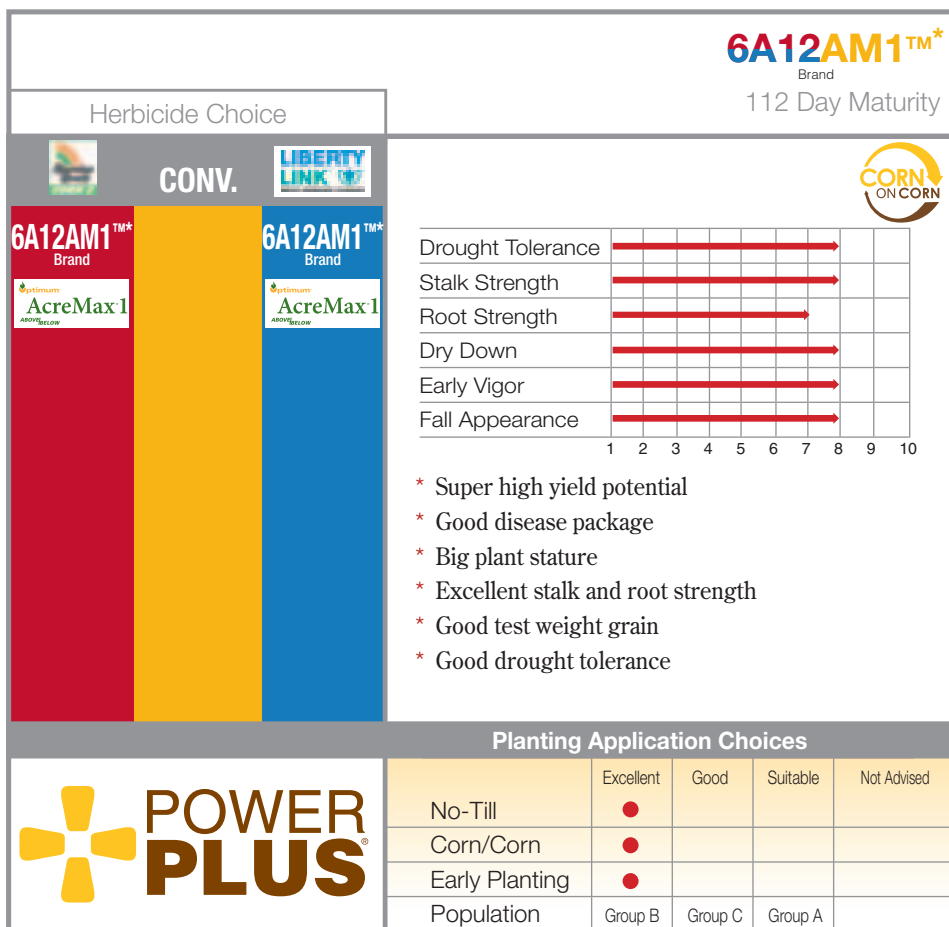
Plant growth regulator sensitivity: 6
 General stay green: 8
 No. leaf blight tolerance: 5
 So. leaf blight tolerance: NA
 Anthracnose tolerance: 5
 Gray leaf spot tolerance: 6
 Diplodia ear rot tolerance: 6

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

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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



New 6K24Q Brand

New 6A25AM1™* Brand

Herbicide Choice

CONV.

LIBERTY LINK

6A25AM1™* Brand

6K24Q Brand

6A25AM1™* Brand

6K24Q Brand

Optimum® AcreMax 1

Optimum® AcreMax 1

Optimum® AcreMax 1

Optimum® AcreMax 1

Drought Tolerance	9
Stalk Strength	9
Root Strength	8
Dry Down	8
Early Vigor	8
Fall Appearance	8

- Superb yield potential as a quad
- Excellent stalk and root strength
- Heavy test weight grain
- Open husks for fast drydown
- Above average on leaf diseases
- This has the potential to be your best performer

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting		●		
Population	Group B	Group A	Group C	



Plots, plots, plots

Burrus and Hughes plant, watch, study and gather data from 41,000 plots each year. Plots are not analyzed on just flat, black ground but all soil types to choose the best hybrids for your farm.



General Characteristics

Relative days to maturity: 112
 Plant height: 7
 Ear height: 7
 Ear type: Inter
 Drought tolerance: 9
 Greensnap tolerance: 6

Planting Information Rates

Adapt to no-till: 9
 Speed of emergence: 8
 High organic soils: 10
 Timber soils: 9
 Clay & varied soils: 9
 Wet soils: NA
 Sand (dryland): 9
 Sand (irrigated): 10

Refuge Requirements

6A25AM1™* Brand

20% corn borer refuge needed

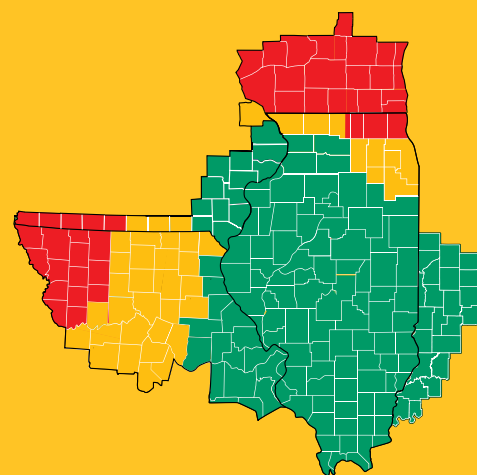
Strengths and Weaknesses

Plant growth regulator sensitivity: NA
 Fall appearance: 9
 No. leaf blight tolerance: 8
 So. leaf blight tolerance: NA
 Anthracnose tolerance: NA
 Gray leaf spot tolerance: 8
 Diplodia ear rot tolerance: 7

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

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
RED - Not recommended

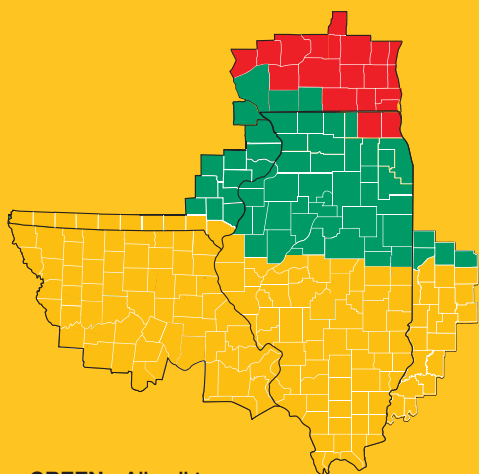
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 †Power Plus is a registered trademark of Pioneer Hi-Bred.
 Optimum® AcreMax® 1 and Optimum® AcreMax® RW insect protection products available in the Power Plus® brand.



The Hughes family takes pride in every bag of Hughes Hybrids, that is what you get when your name is on the bag.



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
RED - Not recommended

6J36GT3 New
Brand

6J34 New
Brand

6J35GT
Brand



General Characteristics

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

Planting Information

Adapt to no-till: 10	
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

Rates

Refuge Requirements

6J36GT3 Brand

20% refuge needed

6J35GT Brand

6J34 Brand

No refuge needed

Refuge Choice

Strengths and Weaknesses

Plant growth regulator sensitivity: 7
General stay green: 7
No. leaf blight tolerance: NA
So. leaf blight tolerance: NA
Anthracnose tolerance: NA
Gray leaf spot tolerance: NA
Diplodia ear rot tolerance: 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

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

6J36GT3 New
Brand

6J34 New
Brand

6J35GT
Brand

Herbicide Choice

112 Day Maturity

Glyphosate

CONV.



6J36GT3
Brand

6J34
Brand

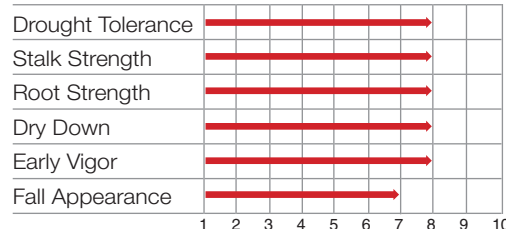
6J36GT3
Brand

Agrisure
3000GT

Agrisure
3000GT

6J35GT
Brand

AgrisureGT



- Very good stalks and roots
- Average plant and ear height
- Dense leaf canopy with solid agronomics
- Very fast drydown
- Good drought tolerance

Planting Application Choices



Think
BURRUS

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting		●		
Population	Group B	Group A	Group C	

Call us

1 877 4BURRUS • 1 877 428 7787


6B50™*
Brand


6B51 R™*
Brand

6B52 S™*
Brand


Herbicide Choice


113 Day Maturity



CONV.

6B51 R™*
Brand


6B50™*
Brand

6B52 S™*
Brand


6B52 S™*
Brand




	1	2	3	4	5	6	7	8	9	10
Drought Tolerance	—————									
Stalk Strength	—————									
Root Strength	—————									
Dry Down	—————									
Early Vigor	—————									
Fall Appearance	—————									

- 3 Tremendous yield potential from big plants
- 3 Excellent GLS tolerance
- 3 Well adapted to the non-variant areas of Illinois and Missouri
- 3 Excellent stalks and roots
- 3 Good health well into the fall

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn	●			
Early Planting	●			
Population	Group B	Group A	Group C	

General Characteristics

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

Planting Information Rates

Adapt to no-till: 10	
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

Refuge Requirements

6B50™* Brand **No Refuge Needed**

Refuge Choice

6B51 R™* Brand **No Refuge Needed**

Refuge Choice

6B52 S™* Brand

20% corn borer refuge needed

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

Harvest Information

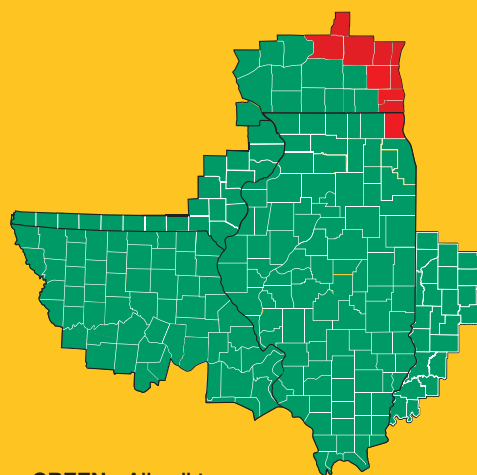
Grain quality: 8
 Test weight: 7
 Growing Degree Days to Silk: 1390
 Growing Degree Days to 30%: 2750
 Growing Degree Days to 20%: 3220
 Dry down rate: 9
 Ear retention: 9
 High tonnage silage: 10
 Harvest residue: 10

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

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



GREEN - All soil types

YELLOW - Product may not be appropriate for all environments - Place on more productive soils

RED - Not recommended



Availability of seed prevails!

100% Free Replant is like unemployment. Nationwide it might be 9%, but if you are unemployed it is 100%. If a grower's order is 90% or more PowerShield™ soybeans in 2012, he is protected with 100% Free Replant on the Hughes, Hoblit, Power Plus® soybeans. Enjoy this generous benefit when you buy product from the Burrus portfolio.

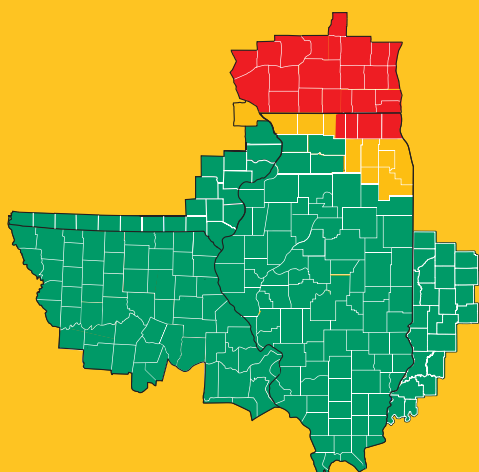


Corn and Soybean identifiers

Use these corn and soybean identifiers in the top corners of the product pages to help navigate your way through this Product Selection Guide.



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
RED - Not recommended

New 6F73AMX™* **6F72AM™***
Brand Brand
6F71 R™* **6F70™***
Brand Brand

General Characteristics

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

Planting Information Rates

Adapt to no-till: 10	
Speed of emergence: 8	
High organic soils: 10	31 – 35
Timber soils: 9	27 – 31
Clay & varied soils: 9	27 – 31
Wet soils: NA	
Sand (dryland): 9	23 – 27
Sand (irrigated): 10	31 – 35

Refuge Requirements

6F71 R Brand **No refuge needed**

Refuge choice

6F70 Brand **No refuge needed**

Refuge choice

6F73AMX™* Brand **No separate refuge needed**

6F72AM™* Brand **No separate refuge needed**

Strengths and Weaknesses

Plant growth regulator sensitivity: 5
General stay green: 9
No. leaf blight tolerance: 7
So. leaf blight tolerance: NA
Anthracnose tolerance: NA
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7

Harvest Information

Grain quality: 8
Test weight: 5
Growing Degree days to Silk: NA
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

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

New 6F73AMX™* **6F72AM™*** **6F71 R™*** **6F70™***
Brand Brand Brand Brand

Herbicide Choice

113 Day Maturity

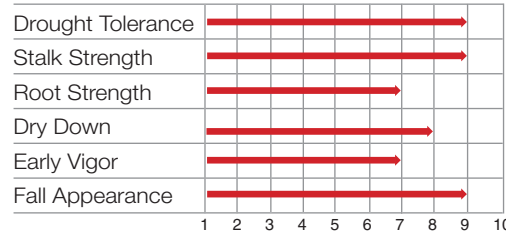
6F73AMX™*
Brand

6F72AM™*
Brand

6F71 R™*
Brand

CONV.

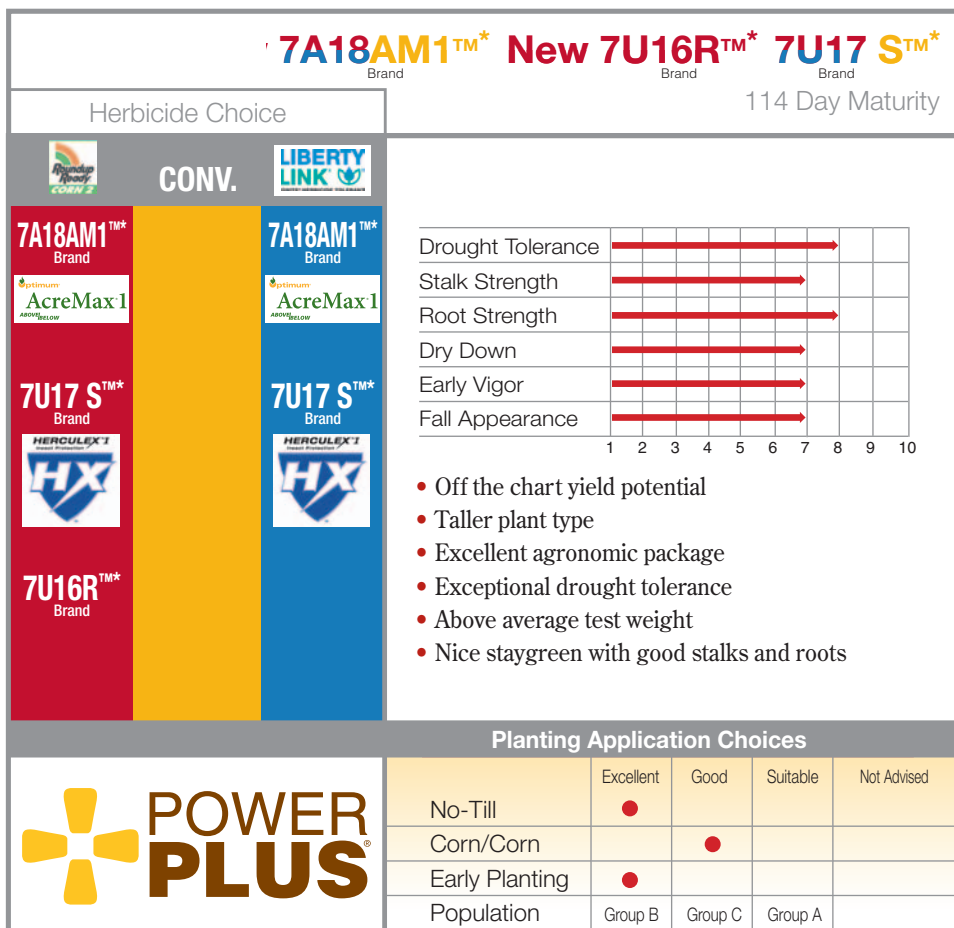
LIBERTY LINK



- : 6F73AMX™* Brand for single-bag refuge for above and below ground insect control
- : Tall plant type with medium ear placement
- : Heavy test weight grain, food grade candidate
- : Excellent stalks and above average roots
- : Good drought tolerance
- : Very good leaf disease and ear rot tolerances

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting		●		
Population	Group B	Group A	Group C	



Hundreds of youth employed

Each summer Burrus, Hughes, & Hoblit hire hundreds of teenagers to detassel their seed crop. The work ethic and responsibility learned by these youth will prove to be invaluable in later years. Plus it's a great way for them to earn good wages.



General Characteristics

Relative days to maturity: 114
Plant height: 7
Ear height: 7
Ear type: Inter
Drought tolerance: 8
Greensnap tolerance: 7

Planting Information

Adapt to no-till: 10
Speed of emergence: 8
High organic soils: 10
Timber soils: 9
Clay & varied soils: 9
Wet soils: 8
Sand (dryland): 9
Sand (irrigated): 10

Rates

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

Refuge Requirements

7A18AM1™* Brand

20% corn borer refuge needed

7U17 S™* Brand

20% corn borer refuge needed

7U16R™* Brand

No Refuge Needed

Refuge Choice

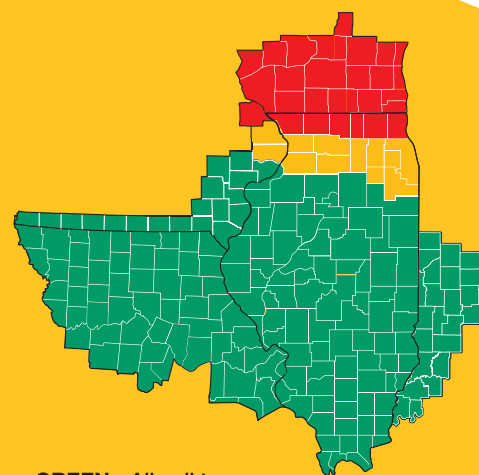
Strengths and Weaknesses

Plant growth regulator sensitivity: 6
Fall appearance: 7
No. leaf blight tolerance: 6
So. leaf blight tolerance: NA
Anthracnose tolerance: 5
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 8

Harvest Information

Grain quality: 9
Test weight: 8
Growing Degree Days to Silk: 1440
Growing Degree Days to 30%: NA
Growing Degree Days to 20%: NA
Dry down rate: 7
Ear retention: 9
High tonnage silage: 10
Harvest residue: 10

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

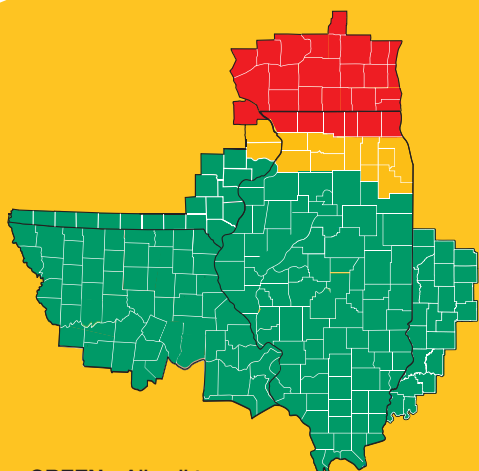


GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended



You don't need to change your glasses!

When the refuge is blended in the bag, you will see a small percentage of purple seeds scattered throughout the red treated seeds. This just serves as a reminder that the seed is blended. The Optimum® AcreMax® 1 system uses the same genetic platform for both components, so there is no antagonism of plant height, population or grain quality.



GREEN - All soil types
YELLOW - Product may not be appropriate for all environments - Place on more productive soils
RED - Not recommended

General Characteristics

Relative days to maturity: 114
 Plant height: 8
 Ear height: 8
 Ear type: Inter
 Drought tolerance: 8
 Greensnap tolerance: 7

Planting Information

Adapt to no-till: 9
 Speed of emergence: 8
 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

Refuge Requirements

7P44AM™^{*} Brand 7P43R™^{*} Brand

No separate refuge needed

Strengths and Weaknesses

Plant growth regulator sensitivity: NA
 General stay green: 9
 No. leaf blight tolerance: 6
 So. leaf blight tolerance: NA
 Anthracnose tolerance: 6
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 7

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: 7
 Ear retention: 8
 High tonnage silage: 10
 Harvest residue: 10

If not Optimum®AcreMax® 1 products, RW refuge choices always should have a granular insecticide or High rate Poncho® 1250 in the area where the corn rootworm variant exists.

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New 7P44AM™^{*} 7P43R™^{*}

Brand

Brand

114 Day Maturity

Herbicide Choice



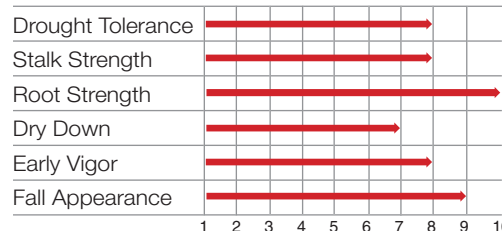
CONV.



7P44AM™^{*}
Brand



7P43R™^{*}
Brand



- A single-bag refuge system for above ground insects
- High yielder, if you have liked 7D51™^{*} performance in the past you will like this product.
- Heavy test weight grain, food grade candidate
- Excellent stalks and above average roots
- Good drought tolerance
- Very good leaf disease and ear rot tolerances

Planting Application Choices



POWER PLUS

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn		●		
Early Planting		●		
Population	Group B	Group A	Group C	

7D51 Q™* **7A52AM1™*** **7M53AMRW™*** **750 New 750™***

Brand Brand Brand Brand Brand

Herbicide Choice

CONV.

7D51 Q™* Brand

750 Brand

7A52AM1™* Brand

7M53AMRW™* Brand

LIBERTY LINK

7D51 Q™* Brand

7A52AM1™* Brand

7M53AMRW™* Brand

115 Day Maturity

CORN ON CORN

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

- Same great performance of 7D51™* without the insecticide worries!
- 7A52AM1™* brand new and proven with simplicity
- 7M53AMRW™* brand is an ideal refuge choice and in most cases, you won't need to use granular insecticides.
- 7M53AMRW™* brand is also a one bag solution for refuge too.

Think BURRUS

POWER PLUS

Planting Application Choices

	Excellent	Good	Suitable	Not Advised
No-Till	●			
Corn/Corn	●			
Early Planting	●			
Population	Group B	Group C	Group A	

General Characteristics

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

Planting Information Rates

Adapt to no-till: 10
 Speed of emergence: 7
 High organic soils: 10 31 – 35
 Timber soils: 9 27 – 31
 Clay & varied soils: 9 27 – 31
 Wet soils: 7
 Sand (dryland): 9 23 – 27
 Sand (irrigated): 10 31 – 35

Refuge Requirements

7D51 Q™* Brand
20% refuge needed

7A52AM1™* Brand
20% corn borer refuge needed

7M53AMRW™* Brand
No refuge needed

750 Brand **750™*** Brand
Refuge choice for AM1

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

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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 ®Power Plus is a registered trademark of Pioneer Hi-Bred.
 Optimum® AcreMax® 1 and Optimum® AcreMax® RW insect protection products available in the Power Plus® brand.



Check out our website
www.burrusseed.com

Scan with your cell phone, then click on the site!

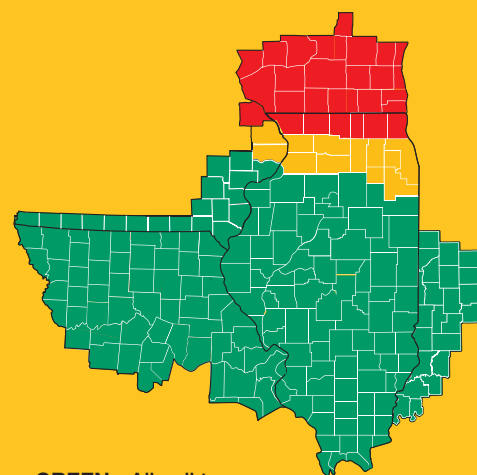


Grain Premium Opportunities

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









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
RED - Not recommended



2012 Burrus family of products lineup by technology

	 AcreMax 3177	 AcreMax 1	 AcreMax 219	 HXXR	 Agrisure Viptera	 Agrisure 3000GT
Maturity	AMX	AM 1	AM RW	HXXR	3111 GTV	3000GT
94						
98						2240GT3
100						2795GT3
102				1H37Q™*		
103						3309GT3
104		2A16AM1™*	2M17AMRW™*			
105					4431GTV	4125GT3
105						
107						5456GT3
107						6435GT3
108						
108	4B32AMX™*	4A30AM1™*	4M31AMRW™*	4C58Q™*		
108						
109						
110		5A45AM1™*	5M46AMRW™*			
110						5566GT3
111						7383GT3
111		6A25AM1™*				
112						6J36GT3
112		6A12AM1™*				
112	6F73AMX™*					
113						
113		7A18AM1™*				
114						
114		7A52AM1™*	7M53AMRW™*	7D51™*		
115						
Herbicide resistance						
Roundup Ready®	✓	✓	✓	✓	✓	✓
LibertyLink®		✓		✓	✓	✓
Insects controlled						
ECB	✓	✓		✓	✓	✓
BCW	✓	✓		✓	✓	
WBC	✓	✓		✓	✓	
SWCB	✓	✓		✓	✓	S
FAW	✓	✓		✓	✓	S
NCRW	✓	✓	✓	✓	✓	✓
WCRW	✓	✓	✓	✓	✓	✓
MCRW	✓	✓	✓	✓	✓	✓
SCSB	✓	✓		✓	✓	S
SB	S				✓	
SCB	✓	✓		✓	✓	
CEW	S	S		S	✓	S
Refuge needed in the CRW variant area						
No separate refuge needed	Yes	No	Yes	No	No	No
20% refuge needed	No	Yes	No	Yes	Yes	Yes
Refuge choice for for AM1	No	Yes	No	Yes	Yes	Yes
Refuge Choice	No	Yes	No	Yes	Yes	Yes

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, MCRW- Mexican Corn Rootworm, SCSB -Southern Corn Stalk Borer, SB -Stalk Borer, SCB-Sugarcane borer, CEW -Corn Earworm,

✓ = Control S= Suppression



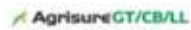
VT3



S



AM



1285GCL



RR2



GT

L

NON GMO

2450GT

2691

3310GT

3928GT

4373

3C98R™*

5124GT

5874

6J34

4V43 S™*

4J63T

5N48™*

5G42™*

5557VT3

591L

6J35GT

6F72AM™*

6F71R™*

6F70™*

6B52™*

6B51R™*

6B50™*

7U17™*

7U16R™*

7P44AM™*

7P43R™*

750™*

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Think PERFORMANCE Think TECHNOLOGY Think VALUE

Optimum planting rates for hybrid corn

Soil Type	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	2240GT3	4373	5566GT3	6F73AMX™*	5124GT 5456GT3 4J63 T
	3309GT3	2795GT3	3C98 R™*	7383GT3	6F72AM™*	
	3310GT	2450GT	5874	591L	6F71R™*	
	6435GT3	2691	4V43 S™*	6A12AM1™**	6F70™**	
	4A30 AM1™*	1H37 Q™**	4C58 Q™**	6A25AM1™**	7A18AM1™**	
	4M31AMRW™*	2A16AM1™**	5A45 AM1™*	6J36GT3	7U17 S™**	
	4B32AMX™*	2M17AMRW™**	5M46AMRW™**	6J35GT	7P44AM™*	
		4431GTV	5G42™*	6B51 R™*	7D51 Q™**	
		4125GT3	5N48™*	6B52 S™**	7A52AM1™**	
		3928GT	5557VT3	6B50™**	7M53AMRW™** 750	
Best standability is normally achieved at the lowest recommended rates					Allows for a 10% stand loss.	
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* Power Plus® Brand seed is distributed by Burrus						
* Power Plus® is a registered trademark of Pioneer Hi-Bred.						
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.						

Are there chemicals to avoid?

	ALS Sulfonyleureas	Plant growth Regulators	Contact Herbicides	ALS Plus PGR	HPDP Inhibitors	ALS Plus HPDP Inhibitors	Glyphosate	Glufosinate
Hughes 1285 GCL	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 2240 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 2450 GT	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 2691	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 2795 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 1H37 Q™	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 3309 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 3310 GT	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 2A16AM1™	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Power Plus® 2M17AMRW™	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Hughes 4431 GTV	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 3928 GT	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 4125 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 4373	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 3C98R™	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 5124 GT	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 5456 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Hughes 5874	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 4A30AM1™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 4M31AMRW™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 4B32AMX™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 4V43 S™	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Hughes 6435 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 4C58 Q™	Use	Use	Use	Use	Use	Use	Use	Use
Burrus 4J63 T	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 5G42™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 5A45AM1™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 5M46AMRW™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 5N48™	Use	Use	Use	Use	Use	Use	Use	Use
Hoblit 5557 VT3	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Hoblit 5566 GT3	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Burrus 591L	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Hughes 7383 GT3	Do Not Use	Use	Use	Do Not Use	Use	Use	Use	Use
Power Plus® 6A12AM1™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6A25AM1™	Use	Use	Use	Use	Use	Use	Use	Use
Burrus 6J35 GT	Use	Use	Use	Use	Use	Use	Use	Use
Burrus 6J36 GT3	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6B50™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6B51 R™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6B52 S™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6F70™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6F71 R™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6F72AM™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 6F73AMX™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 7U17 S™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 7A18AM1™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 7P44AM™	Use	Use	Use	Use	Use	Use	Use	Use
Burrus 750	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 7D51 Q™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 7A52AM1™	Use	Use	Use	Use	Use	Use	Use	Use
Power Plus® 7M53AMRW™	Use	Use	Use	Use	Use	Use	Use	Use

* Products or trade names listed under each herbicide background

Use

Use with Caution

Do Not Use

Accent®

Basis®

Basis® Gold

Beacon®

Option®

Permit®

Resolve® Q

Spirit®

Steadfast®

2,4-D

Banvel®

Clarity®

Distinct®

Marksman®

Status®

Stinger®

Aim®

Atrazine

Buctril®

Cadet

Laddock® S-12

Resource®

Tough®

Celebrity Plus®

Hornet® WDG

NorthStar®

Require Q®

Yukon®

Balance® Flexx

Callisto®

Impact®

Laudis®

Corvus®

Capreno®

Halex GT®

Roundup®

Ready Master® ATZ

Touchdown®

Generic glyphosate

Ignite®

Liberty®

Liberty® ATZ



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 Flat or PowerShield Round sizes (PSF & PSR), or the Burrus Xtra Flat or Round (BXF & 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 Weight per 80,000 kernel unit		SureDrop 2 Under 30#	SureDrop 3 30-39#	SureDrop 4 40-49#	SureDrop 5 50-59#	SureDrop 6 60# and over	SureDrop 7 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
		Vacuum Inches	7-13	7-12	10-13	7-10	9-13	10-13
	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		

*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.

Refuge requirements

Today's technologies provide excellent opportunities for corn growers. Increased yields, more efficiency, and reduced exposure personally and environmentally from herbicides and insecticides are key attributes. But, some of the new technology also brings increased responsibility from the grower's standpoint.

The seed industry, universities and the National Corn Growers Association (NCGA) all agree that there must be a unified commitment to responsible stewardship of technologies such as YieldGard® Corn Borer, Agrisure® CB/LL, YieldGard Rootworm/Roundup Ready Corn 2, YieldGard Plus/ Roundup Ready® Corn 2, Herculex® I, Herculex RW, Herculex XTRA, Agrisure 3000GT, YieldGard VT3 Triples and Agrisure Viptera.

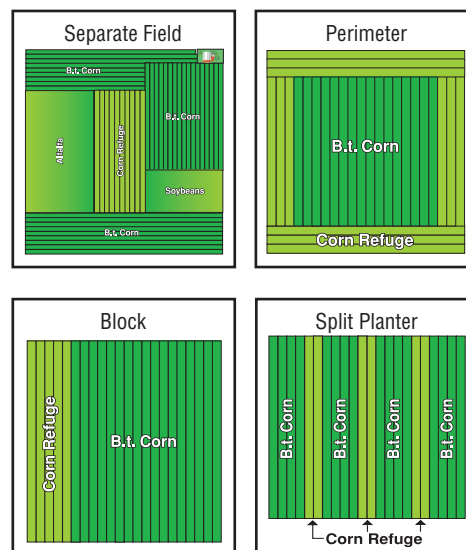
Proper stewardship will preserve these technologies as important management tools for corn growers of the future.

The principal objective to appropriate stewardship of technology is to minimize the potential for insect resistance development. The Environmental Protection Agency (EPA) has set forth mandatory guidelines through an Insect Resistance Management (IRM) program. An IRM program has been specifically designed to help corn growers meet the key refuge requirement for each technology.

Utilizing a multiple phase approach to IRM is highly recommended because adding a refuge to your production program is just one part of resistance management. Researchers advise that the multiple phase approach produces the most effective results. What is a multiple phase approach? Four components combine to form a good program:

- First, when you decide to plant a technology that targets a specific pest, choose one that will give your crop an "effective dose" so you can control nearly all of the susceptible insects targeted by the specific technology.
- Second, plant a corn refuge block following the specific guidelines mandated by the EPA for your chosen technology. For instance, when trying to control European Corn Borer, use either the YieldGard Corn Borer, Agrisure CB/LL or Herculex I hybrids from Burrus and plant 20% of the acreage to a non – corn borer Bt hybrid. The configuration you choose to achieve your 20% refuge could be a separate field (within a 1/2 mile with 1/4 mile being preferred), block perimeter or split planter method. Because YieldGard Corn Borer and Herculex I are Bt corn borer technologies, one can not serve as the refuge for the other. There are guidelines spelled out in similar type details for other technologies such as YieldGard Rootworm, YieldGard Rootworm/ Roundup Ready Corn 2, YieldGard Plus, YieldGard Plus/ Roundup Ready Corn 2, YieldGard VT Triple, Herculex RW and Herculex XTRA.
- Third, to carry on your multi-phase approach, practice Integrated Pest Management (IPM) to preserve the natural enemies of the targeted pests.
- Fourth and finally, growers should monitor their fields and contact their seed dealers or the technology provider if performance problems are observed.

Growers who fail to follow the IRM requirements (planting refuge acres) are at risk of losing access to Bt corn technology. If you have questions, contact your local Burrus dealer, Hoblit dealer, Hughes dealer or our office toll free at 1-877-4BURRUS (1-877-428-7787). Corn growers can also log on to the National Corn Growers Association's website at www.ncga.com for more details on an IRM plan.



New 6F73 AMX™* and 4B32AMX™* are refuge in the bag products with above and below ground insect protection. No additional refuge is required.

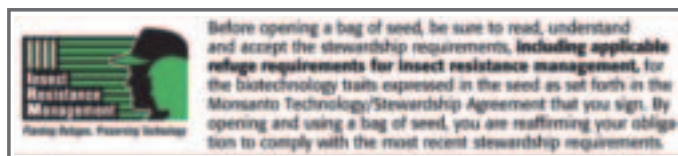
New 6F72 AM™* and 7P44AM™* are refuge in the bag products with above ground insect protection. No additional refuge is required.

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

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

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. Processor Preferred and Design®, Roundup PowerMAX®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, and YieldGard VT Triple® are registered trademarks of Monsanto Technology LLC. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. ©2011 Monsanto Company.

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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.

Hughes H100

Hughes H100 alfalfa is a blend of high quality alfalfa seed. Hughes 100 has excellent persistence, with an exceptional forage yield potential. Hughes 100 is a good valued alfalfa that will give three to four years of production.

Agronomic Characteristics	372HY	200FY	H100
Bacterial Wilt	HR	HR	HR
Fusarium Wilt	HR	HR	HR
Phytophthora Root Rot	HR	HR	R
Anthrachnose (Race 1)	HR	HR	MR
Verticillium Wilt	HR	HR	MR
Aphanomyces Root Rot (Race 1)	R	HR	MR
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	20
Root Type	TAP	TAP	TAP
Cutting Recovery	9.2*	9.0*	9.0*
Yield Level	9.5*	9.4*	8.5*
Forage Quality	9.2*	9.0*	8.5*
Wheel Traffic	8.9*	8.5*	
* 10 Equals the highest or best, 1 equals the poorest			



Scott Olson, Mercer County, IL

"This new hybrid alfalfa jumped out of the ground and established a nice thick stand."

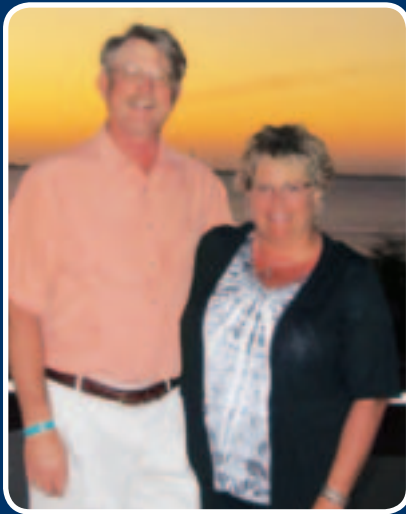




Soybeans

Think Burrus

Would you like to join Burrus on a winter get away destination? Kevin and Gayle Casner enjoyed their trip to Cancun, Mexico with the Burrus group. Talk to us about joining a great group of farm folks in January/February 2013.



Benefits of New Seed –

Growers can earn increased **convenience, economics, warranty benefits and new innovations** by utilizing new soybean seed each planting season.

Convenience comes in the form of higher quality products vs. bin-run beans. Growers also get the higher quality standards of the seed company along with access to the most elite germplasm. New seed is professionally handled, rigorously tested and is also weed free.

Economic benefits include higher average yields than bin-run beans. New seed yields an average of 1.8 bu/acre more than bin-run. University trials range from 1.2 bushel to 5.9 bushel/acre increase from new seed. With new seed, you avoid the traditional 10-15% average cleanout loss that is associated with bin-run seed.

Limited warranty benefits include things such as dealer service before and after the sale along with agronomic support throughout the growing season and valuable replant offers. New innovations are founded with royalties providing research and development of new traits and higher yielding germplasm.

Burrus/Hoblit/Hughes Endorses No Save Seed Policy On Patented Traits or Seeds

- Seeds containing the Roundup Ready® trait are protected under 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.

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. Don't take chances with your crop, order your high-quality Power Plus®, Hoblit® or Hughes® soybeans today. Planting saved patented seeds is illegal and places your farm operation at risk.

Beyond the Seed –

Beyond the Seed is a program launched by the American Seed Trade Association (ASTA) to raise awareness and understanding of the value that goes beyond the seed. The future success of U.S. agriculture depends upon quality seed delivered by an industry commitment to bring innovation and performance through continued investment. For more information about seed technology, visit ASTA's Beyond the Seed Program at www.beyondtheseed.org.

Preserving Herbicide Technology

Respect the Rotation™ is an initiative to elevate importance and improve grower adoption of herbicide diversity through the rotation of crops, traits and herbicide classes.

Rotate crops.

Crop rotation provides opportunity for herbicide diversity.

Rotate herbicide-tolerant traits.

Alternate herbicide-tolerant traits or use of herbicide tolerant stacks for more efficient rotation of both nonselective and selective herbicides.

Rotate modes of action.

Rotate modes of action (MOA) and use multiple MOA to reduce the selection pressure caused by overusing a single MOA.

Which Soybean Variety is Right for Your Farm?

Brands	Maturity	SCN	Emergence	Standability	PRR	BSR	SDS	White mold	Canopy width	Plant Ht.	Lt. Soils	Pubescence
Hughes Brand 201RR	2.1	NA	8	9	7	10	NA	8	7	8	8	L. Tawny
Power Plus® 23Z1™*	2.3	PI 88788	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	PI 88788	9	9	7	8	8	7	7	8	7	L. Tawny
Power Plus® 26W2™*	2.6	Peking	9	9	4	7	6	4	7	6	5	L. Tawny
Hughes Brand 777RR	2.7	PI 88788	8	9	8	8	8	6	8	9	8	L. Tawny
Power Plus® 28J0™*	2.8	PI 88788	9	9	5	4	7	5	7	7	6	L. Tawny
Power Plus® 28V2™*	2.8	PI 88788	9	9	5	10	7	5	7	8	8	L. Tawny
Power Plus® 32K0™*	3.2	PI 88788	9	9	6	4	6	5	7	9	7	L. Tawny
Hoblit Brand HB342	3.4	PI 88788	9	9	5	7	7	5	8	9	8	L. Tawny
Power Plus® 34B9™*	3.4	PI 88788	9	9	6	6	8	5	7	8	7	L. Tawny
Power Plus® 36C0™*	3.6	PI 88788	10	10	5	NA	8	NA	7	6	5	L. Tawny
Hoblit Brand HB36P2	3.6	PI 88788	9	9	5	6	7	6	7	7	5	L. Tawny
Hoblit Brand HB372LL	3.7	NA	9	9	6	NA	7	5	7	6	7	Gray
Power Plus® 37T1™*	3.7	PI 88788	9	9	6	NA	7	NA	8	6	5	L. Tawny
Power Plus® 38D2	3.8	PI 88788	9	9	6	NA	7	NA	7	7	8	L. Tawny
Power Plus® 40V1™*	4.0	PI 88788	10	10	5	NA	8	NA	7	7	7	L. Tawny
Hoblit Brand HB412LL	4.1	NA	9	9	5	NA	6	6	7	8	8	L. Tawny
Power Plus® 41F9™*	4.1	PI 88788	10	10	6	NA	8	NA	7	9	8	L. Tawny
Power Plus® 43D1™*	4.3	PI 88788	10	10	7	NA	7	NA	7	4	5	L. Tawny

For 2012 Burrus will market both Hoblit®, Hughes® and Power Plus® brand soybeans on a seed count basis.

- Each soybean unit will contain 140,000 seed count
- Seed count will mean more accurate ordering.
- Will encourage growers to plant the best beans rather than just those with a high seed count per pound.
- Packaging will be in individual units, 45 unit E-Z Load boxes or Jumbo bags.

Power Shield™ seed treatment allows growers to reduce seeding rates. We will be competing with treated Roundup Ready 2 Yield® beans. We don't want to be "out treated" by a competitor having a comparison with our untreated beans compared to their treated beans. We offer Power Shield™ seed treatment as an option on Hoblit brand soybeans in 2012.

While we plan to continue offering untreated Hoblit brand beans, we do not recommend they be planted head to head with the fully treated competitive brands. In addition, to qualify for the new Burrus 100% Free replant offer on seed corn and soybeans a grower must buy Power Shield™ seed treatment on 90% of their soybeans.

We are also extremely excited about our ability to access germplasm and traits from many sources. Today, we get to test them in our system which emphasizes stress soils besides the flat black ground. We will continue to select products that fit our geography and bring outstanding value to our customers. This is part of the reason Burrus has won the war for decades and are pleased to continue with our core strategies in soybeans as well as seed corn.

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.



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

Bean Variety Characteristics

Ratings: 10 = Best, 1 = Poorest

SCN Ratings: Resistant, MR = Medium Resistant

NA: Not Available

*Narrow rows best in light soils.

*Power Plus® Brand is distributed by Burrus

Ignite Herbicide

Ignite® herbicide provides growers cost-effective, nonselective, postemergence weed management in days vs. weeks, across all LibertyLink® crops including corn, soybeans, cotton and canola. Ignite delivers powerful control of broadleaf and grass weeds, including weeds resistant to glyphosate and multiple herbicide classes. Additionally, Ignite 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

Preserving Herbicide Technology

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Rotate crops.

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Rotate herbicide-tolerant traits.

Alternate herbicide-tolerant traits or use of herbicide tolerant stacks for more efficient rotation of both nonselective and selective herbicides.

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Rotate modes of action (MOA) and use multiple MOA to reduce the selection pressure caused by overusing a single MOA.



Roundup Ready® Soybeans

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2012 Soybean Lineup

Hughes 201RR MATURITY 2.1



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

Emergence	8
Standability	9
SDS	NA

23Z1™* brand POWER PLUS MATURITY 2.3



- Great yield potential for Northern 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

Emergence	10
Standability	10
SDS	6

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

Emergence	9
Standability	9
SDS	NA

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

Emergence	9
Standability	9
SDS	8

26W2™* brand POWER PLUS MATURITY 2.6



- Excellent SCN race 3 resistance
- Multi-race Phytophthora resistance (Rps1c)
- Very good Sudden Death Syndrome field tolerance
- Excellent field emergence
- Good harvest standability

Emergence	9
Standability	9
SDS	6

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

Emergence	8
Standability	9
SDS	8



28V2™* brand POWER PLUS 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

Emergence	9
Standability	9
SDS	7

28J0™* brand POWER PLUS 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

Emergence	9
Standability	9
SDS	7

32K0™* brand POWER PLUS 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

Emergence	9
Standability	9
SDS	6

34B9™* brand POWER PLUS MATURITY 3.4



- Very good SCN race 3 resistance
- Very good Sudden Death Syndrome field tolerance
- Excellent harvest standability
- Moderate tolerance to the charcoal rot/drought complex
- Excellent shattering resistance
- Versatile product that will perform well across environments

Emergence	9
Standability	9
SDS	8

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

Emergence	9
Standability	9
SDS	7

Hoblit HB36P2 MATURITY 3.6



- Top performer in multi-year testing
- Excels on high producing soils
- Medium plant height and canopy width
- Good SCN race 3 resistance
- Excellent harvest standability
- Light soil rating 5

Emergence	9
Standability	9
SDS	7

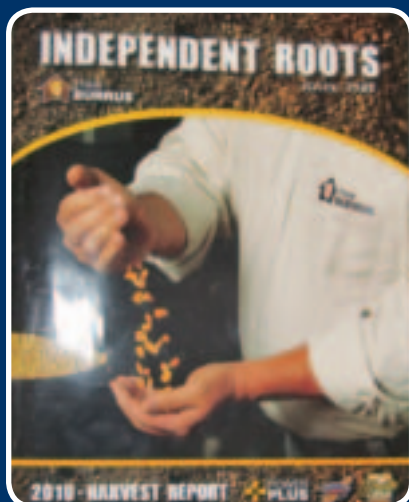
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Look for the Harvest Report this fall

We are known for our one-of a kind Harvest Report that summarizes the year, yields, pests, and products. It's widely recognized by growers as the most comprehensive compilation of data and agronomic topics produced because of our commitment to customer education and satisfaction. Be watching for this year's edition. Experience our performance advantage!

36C0™* brand POWER PLUS 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 frog-eye leaf spot tolerance
- Excellent harvest standability


Emergence	10
Standability	10
SDS	8

37T1™* brand POWER PLUS 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

Emergence	9
Standability	9
SDS	7

38D2™* brand POWER PLUS MATURITY 3.8

- Very stable performance across locations  *Exclusively treated
- 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

Emergence	9
Standability	9
SDS	8

40V1™* brand POWER PLUS MATURITY 4.0

- Fantastic yield potential
- Very good SCN race 3 resistance
- Above average height for lighter soils
- Good Sudden Death Syndrome field tolerance
- Excellent field emergence
- Excellent harvest standability

Emergence	10
Standability	10
SDS	8

41F9™* brand POWER PLUS 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 frog-eye leaf spot tolerance
- Above average tolerance to the charcoal rot/drought complex
- Excellent field emergence

Emergence	10
Standability	10
SDS	8

43D1™* brand POWER PLUS MATURITY 4.3

- Short stature for maturity
- Narrow rows are best for light soils or doublecropping
- Great in river bottoms
- Good SCN race 3 resistance and SDS tolerance
- Very good Phytophthora field tolerance
- Excellent field emergence
- Excellent harvest standability



Emergence	10
Standability	10
SDS	7

Stewardship of your land before you get resistant weeds!

Ignite Herbicide

Ignite® herbicide provides growers cost-effective, nonselective, postemergence weed management in days vs. weeks, across all LibertyLink® crops including corn, soybeans, cotton and canola. Ignite delivers powerful control of broadleaf and grass weeds, including weeds resistant to glyphosate and multiple herbicide classes. Additionally, Ignite 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.

Roundup Ready® is a registered trademark of Monsanto Technology LLC. Ignite and Liberty are registered trademarks of Bayer.

LibertyLink® Soybeans



LibertyLink® soybeans with Ignite® 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 Ignite. High-yielding LibertyLink soybean varieties are available in a range of maturities.

Ignite 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.

Bayer CropScience LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. Always read and follow label instructions. Bayer, the Bayer Cross, Ignite, LibertyLink and the Water Droplet Design are registered trademarks of Bayer. Ignite is not registered in all states. For additional product information call toll-free 1-866-99-BAYER (1-866-992-2937) or visit our website at www.BayerCropScience.us. Seed products with the LibertyLink (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Ignite herbicide for optimum yield and excellent weed control.

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.

Hoblit 372LL MATURITY 3.7



- 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



Emergence 9

Standability 9

SDS 7

Hoblit 412LL MATURITY 4.1



- Very high yield potential
- Tall plant type with good branching
- Very good SDS tolerance
- Good lodging and shattering scores
- Excellent frog-eye and good SCN scores
- Will work in areas where weed resistance is a problem



Emergence 9

Standability 9

SDS 6



Corn and soybean talk meetings

Come join us for 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.





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

Turn over a new leaf.

Plant our high-yielding soybeans!

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