

MULTIPLE CHOICE IS ALWAYS THE RIGHT ANSWER.

Benefit from our multi-brand strategy.



2015 Product Selection Guide





INVESTED IN GROWTH.

Dear Grower,

When your office is measured in acres, sometimes it's hard to get a good night's sleep. However, when you buy and plant the Burrus family of products, you'll be resting easy! Why? Because our multiple brand strategy brings you diversity in germplasm as well as traits. And, we have a better position than many of the trait developers because frankly, we have greater access than they do. Burrus growers benefit from our wide portfolio. There's no need to spend time shopping with several seed suppliers when you'll find everything you need for security, performance and value, all from us.

Farming today is more than just controlling pests with technology. We believe protecting your farm from resistances is even more critical. Our Account Managers are available and willing to help you select the best products for each tract of your land. They'll help you assess your corn rootworm resistance risk, and if you share each field history for the past two years, they'll guide your choices to protect your farm and technologies from pest resistance.

What a great time to be involved in agriculture! It's the hottest place in the American economy. And, a lot of those exciting things are going on right here at Burrus. As a leader in variable rate planting, hundreds of farms are now in their second full year of utilizing this technology which turns the seeding rate on more productive soils and ratchets back on less productive areas in the field. Also this year, we are pleased to be testing a Kinze® 4900 electric drive prototype planter that plants two different products simultaneously.

We've upgraded the PowerShield® seed treatment by adding VOTIVO® for protection from nematode as standard equipment. We also have many new corn products with more single bag refuge products than ever before. Our new soybean varieties boast a step change in yield, in most cases four to six bushel per acre.

We believe in the ingenuity of the American farmer. No one is as resilient or can figure out better how to make it during good times or bad. Next time you pick up an ink pen with the Burrus logo on it, you'll see it writes in black ink just the way we want your books to look "in the black." Unlike insurance, which is the sale of promises, Burrus guarantees you a growing start with our 100% Free Replant offer, a staple of our business since 1935. Our free replant promise also extends to include PowerShield® treated beans too, which is a rather unique benefit.

Why do growers look to Burrus? Talk to one of our dealers and you'll know; don't hesitate to call them. Our commitment to the future is unmatched. We have been diligent to anticipate grower needs and wants. We continue to invest in our company, our people, our computer infrastructure, land, and irrigation technology. We assure you we are not letting the grass grow under our feet.

There is nothing like the smell of freshly turned soil that only comes in the spring when the planter is on the horizon. No wonder it is our favorite time of the year. It's something only those of us who farm can understand. With tailwind like we have from our competitive dynamics, more growers than ever are joining the move to Burrus.

Our multi-brand strategy is a winner. We spread your risk by offering a complete portfolio of seed traits and germplasm. Don't forget, we offer you a good night's rest, too.

Successfully,

Tom Burrus *Dave Hughes*

Tom Burrus and Dave Hughes

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*Power Plus® brand seed is distributed by Burrus.
Power Plus®, Optimum® and AcreMax® are registered trademarks of Pioneer Hi-Bred.
Catalyst is a Syngenta brand distributed by Burrus.
Catalyst® is a registered trademark of Syngenta Group Company.

EASY TO USE PRODUCT SELECTION GUIDE



For 2015, the Product Selection Guide has been redesigned for easy use. The hybrids are grouped with the same insect control or herbicide resistance together. This will simplify product selection.

In addition, each hybrid features its own page with all the information you need to know about it in one location.

Look at the sidebar of each page for the monocur tab of the hybrids featuring the insect control or herbicide resistance. The hybrids are grouped by.

Above/Below-Ground Insect Control — green side bar

Above-Ground Insect Control — black side bar

Glyphosate-Resistant — red side bar

Non-GM — yellow side bar

Other — orange side bar

This design is just another example of how Burrus is working every day to make your life easier and your farming operation more profitable.

At Burrus, we measure success by customer satisfaction. We sell solutions

for your farm. We deliver a value package of outstanding performance, superb quality and exceptional service. We focus on the fundamentals, guarantee you a growing start with our 100% free replant policy and provide season-long agronomic advice.

Ultimately, we strive to bring you the highest return on your seed investment dollar. Look to the Burrus/Hughes team to bring you honest, straightforward information that will increase your profit potential. Our customers feel like they are part of the family. We invite you to experience the value we deliver.

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OUR MULTI-BRAND STRATEGY FOR CORN AND SOYBEANS YIELDS MORE CHOICE AND HIGHER PROFIT POTENTIAL.

Burrus® has a new way to access better corn and soybean genetics to fit the way you farm.

We have kept the responsive local service you have come to expect from the Burrus team. Then we entered into a strategic alliance with major companies. Together, we supply the best research answers for improving corn and soybean yields from across the industry.

The result — we give local growers wide access to the best germplasm and industry leading traits. We don't restrict customers to only one trait platform. That allows growers to rotate traits and genetics to increase their year-to-year yield potential.

When you rely on Burrus you benefit from a choice of products and traits that most single suppliers can't match.

We call it a multi-brand strategy. You might call it the best decision you ever made.

Your yields are what matter most. Our testing map helps you understand what works in your area. We test on all types of soils so we understand what to recommend on your farm. Many of the competitors focus their testing only on black soil.

The Burrus Harvest Report shows true results from areas near where you farm, and on soil types and growing conditions you are likely to encounter. In fact, performance studies show up to 18 bu/a more performance with the highest quality seed compared to poor quality seed production.

While farming has changed over the years, who we are and what we stand for has not changed.

Burrus has been independent and farm-family owned since 1935. There are still Burrus family members running the company. Family pride is part of everything we do.

Burrus production techniques are the most precise in the seed industry. It shows in how we support local growers with our focus on seed performance and recognizing your growing conditions.

Our PowerShield® treatment is the best for promoting emergence under cold, wet conditions and is backed with our 100% free replant guarantee.

PowerShield® beans are fully treated with fungicide, insecticide, and three biologicals. The majority of Burrus soybeans are delivered in E-Z Load boxes to make handling easier. Hoblit® Brands provide the LibertyLink® and Hughes soybeans in our lineup.

A strategic alliance offers increased opportunity.

Working in a strategic alliance since 2010, Burrus and Hughes Hybrids add distribution and brand value. The partnership also combines industry best practices to deliver increased opportunity to our growers.



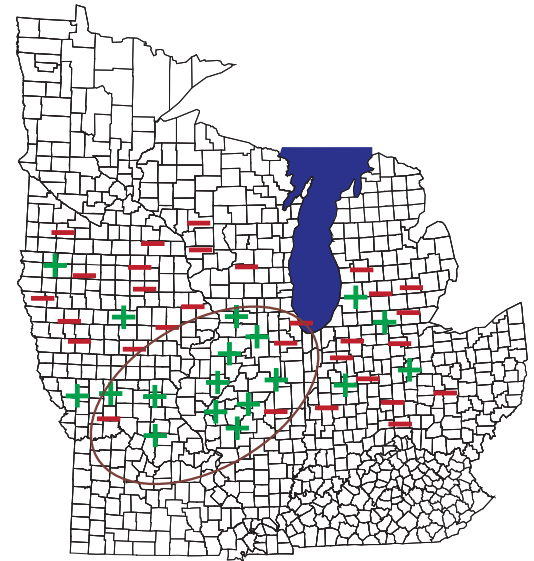
SELECTING PRODUCT FOR OUR MARKET FOOTPRINT MEANS TESTING ON ALL SOILS.

Take a look at the performance map. The green pluses represent locations where the product yielded above the mean of the plot. The red minuses are locations where it was below the mean. Overall, across the corn belt, this product performed slightly above the mean with 17 of the 30 locations above the mean. Now look within the circle, representing the Burrus/Hughes footprint. Here this product was above the mean 11 out of the 15 locations. It is an excellent product for us to commercialize. The national brands are looking for products that can be used over wide geography, rather than the best product for a smaller area.

We have an extensive testing program that is used to identify the best products for our footprint. We have areas with high organic soils and areas that have more stress prone soils. We test on all

soils, while competitors focus on black soils so they can have low coefficient of variation numbers. We routinely utilize the best techniques to analyze data and are expanding our plant density studies to fine tune our Crop Optimization Planner.

Our production techniques are more meticulous than the competitors. Quality is not something you stamp on the bag when you apply seed treatment. Studies have demonstrated up to 18 bu/a more performance out of the highest quality seed. That is why we meticulously grow our own seed. Whether it is spraying Liberty or Roundup with our hooded sprayer to remove any plants that are carrying the desired trait, or double gravitating and color sorting every unit, Burrus cuts no corners. And then we apply our PowerShield® seed treatment package for optimum stand establishment and it adds yield.



+ Test hybrid above mean. National focus 17 Local 11
- Test hybrid below mean. National focus 30 Local 4

The map illustrates 30 plot locations across the Midwest. Those plot locations with a green plus sign show the test hybrid above the mean. Those plot locations with red minus signs show the test hybrid below the mean. At Burrus/Hughes we focus on hybrids that provide exceptional performance in our footprint. Consequently, we commercialized it.



TOM BURRUS • Burrus Seed • 217-248-5511

"Our field tests range from western Missouri to western Indiana. Without the advantage of the multi-brand strategy we could not offer all of the traits needed for modern farming in this region. We can leverage the testing from our trait suppliers with the deep knowledge of our local growing conditions to offer the best combination of genetics and traits for our growers needs."



DAVE HUGHES • Hughes Hybrids • 815-338-1141

"We believe our greatest strength is the ability to focus on a specific growing area from northern Illinois through southern Wisconsin. This allows us to concentrate our testing to evaluate the proper traits without having to adapt to a wide range of growing conditions. Adopting the multi-brand strategy increases the potential for a higher yield average due to a greater research base and genetic selection."

MATT MONTGOMERY
Burrus Agronomist • 309.657.0328

"The true mark of the success of our multi-brand strategy is in the pages of the Burrus Harvest Report. Check it out and see the results from areas near where you farm and under the conditions you come across. You'll see that Burrus and Hughes have a new way to access better corn and soybean genetics to fit how you farm."



CROP OPTIMIZATION PLANNER GAINS 12 1/2 BU/A

To compare how well the Crop Optimization Planner powered by MyFarmsSM is doing, we used the Burrus show plot at Arenzville, IL. The COP selected four products for each of four categories.

1. Products with Corn Rootworm protection with an integrated refuge.
2. Products with Corn Rootworm protection with a structured refuge.
3. Products with Corn Borer protection.
4. Non-GM products.

The COP selections were compared to the average of all products offered by Burrus within each category. Results were phenomenal. The COP-recommended products were 12.6 bu/a, 12.9 bu/a, 16.2 bu/a, and 8.2 bu/a above the average. That means COP-recommended products produced an extra \$50 per acre — an additional \$125 per unit value!

In addition, the structured refuge products averaged 12 bushels more than the integrated refuge products. This data bears out what we have been encouraging growers to consider when placing their orders for 2015. We all like convenience, but our job is to help you maximize your yield and profit. Our recommendation is to consider some combination of structured and integrated refuge products to maximize convenience and performance.



WOULD YOU USE THE CROP OPTIMIZATION PLANNER TO GAIN 12.5 BU/A?

That is over \$50 per acre gain! It makes our seed worth \$125 per unit more!

Here are the top 4 products recommended by the COP on the Show Plot at Arenzville.

WANTING ROOTWORM CONTROL WITH AN INTEGRATED REFUGE?

	Brand	Population	%Moisture	Adj. Test Wt.	Bu/Acre	
Power Plus®	7A18AM1™*	32,000	24.2	56.0	266.8	Bu/A
Power Plus®	4G46AMX™*	31,000	21.2	57.1	262.0	Bu/A
Power Plus®	4J95AMX™*	30,500	21.5	53.9	261.8	Bu/A
Power Plus®	6F74AMX™*	31,500	21.4	58.3	238.2	Bu/A
Recommended COP products average					257.2	Bu/A
Power Plus®	4Y27AMX™*	29,500	21.4	58.3	222.6	Bu/A
Power Plus®	4B32AMX-R™*	29,000	20.4	57.4	216.5	Bu/A
Average of all products with integrated refuge and Rootworm control					244.6	Bu/A
Crop Optimization Planner advantage					12.6	Bu/A

IF YOU ASK THE COP FOR ROOTWORM CONTROL WITH A STRUCTURED REFUGE PRODUCT?

Burrus	6T54 3000GT	33,000	23.1	53.3	284.0	Bu/A
Power Plus®	7A18AM1™*	32,000	24.2	56.0	266.8	Bu/A
Burrus	6J36 3000GT	33,000	20.8	55.6	268.7	Bu/A
Power Plus®	7D51Q™*	34,500	23.0	56.9	258.1	Bu/A
Recommended COP products average					269.4	Bu/A
Catalyst®	7893 3111	34,500	24.4	52.4	257.4	Bu/A
Power Plus®	4P12Q™*	31,000	20.9	55.9	246.9	Bu/A
Catalyst®	6227 4011A	31,500	21.6	55.3	243.0	Bu/A
Catalyst®	4685 3111	32,500	21.0	52.9	227.5	Bu/A
Average of all products with integrated refuge and Rootworm control					256.6	Bu/A
Crop Optimization Planner advantage					12.9	Bu/A

WHAT IF YOU ASK THE COP FOR CORN BORER PROTECTED PRODUCTS?

Burrus	6T54 3000GT	33,000	23.1	53.3	284.0	Bu/A
Power Plus®	6C41S™*	28,500	24.8	55.3	257.6	Bu/A
Power Plus®	7U15AM-R™*	33,500	22.6	56.9	268.2	Bu/A
Burrus	6J36 3000GT	33,000	20.8	55.6	268.7	Bu/A
Recommended COP products average					269.6	Bu/A
Power Plus®	8V08S™*	33,500	22.6	56.6	278.8	Bu/A
Power Plus®	6A12AM1™*	32,500	22.0	56.2	270.6	Bu/A
Power Plus®	7A18AM1™*	32,000	24.2	56.0	266.8	Bu/A
Power Plus®	4G46AMX™*	31,000	21.2	57.1	262.0	Bu/A
Power Plus®	4J95AMX™*	30,500	21.5	53.9	261.8	Bu/A
Power Plus®	7D51Q™*	34,500	23.0	56.9	258.1	Bu/A
Catalyst®	7893 3111	34,500	24.4	52.4	257.4	Bu/A
Power Plus®	4P12Q™*	31,000	20.9	55.9	246.9	Bu/A
Power Plus®	4V43S™*	30,000	20.9	56.3	246.4	Bu/A
Power Plus®	4Y27AMX™*	29,500	21.4	58.3	222.6	Bu/A
Power Plus®	4B32AMX-R™*	29,000	20.4	57.4	216.5	Bu/A
Average of all products with Corn Borer protection					253.4	Bu/A
Crop Optimization Planner advantage					16.2	Bu/A

WHAT IF YOU ASK THE COP FOR THE NON-GM CONVENTIONAL PRODUCTS?

Power Plus®	6C40™*	29,000	21.6	56.5	269.9	Bu/A
Burrus	750	30,000	23.8	55.4	268.2	Bu/A
Power Plus®	6F70™*	31,500	20.9	57.4	250.7	Bu/A
Burrus	6G64	32,500	21.8	55.1	243.8	Bu/A
Recommended COP products average					258.1	Bu/A
Power Plus®	5N48™*	31,500	18.9	58.4	217.2	Bu/A
Average of all non-GM products					250.0	Bu/A
Crop Optimization Planner advantage					8.2	Bu/A

Average Advantage for using the Crop Optimization Planner **12.5 Bu/A**





ROOTWORM TRAIT RESISTANCE – AN UPDATE & RECOMMENDATIONS

Rootworms have proven they are one of the most adaptive pests known as they are gifted at developing resistance to our best pest management techniques. The resistance story begins decades ago, it stretches through the mid-90s, and it continues today. Today's part of the rootworm resistance story largely revolves around the subject of trait-resistance.

It began just a few seasons ago in Iowa when university researchers confirmed the pest had developed "in-field" resistance to the first rootworm trait (YieldGard). The story was soon followed by confirmed resistance in Illinois. In 2013, rootworms made themselves well known in the northern portion of the Burrus footprint with fairly extensive rootworm injury (92% of growers attending our Fairbury, IL winter agronomic meeting encountered rootworm injury within their neighborhood).

An Update

The update on trait-resistant rootworms can best be summarized by saying that they have "expanded their territory and their feeding habits." According to the University of Illinois — Sangamon, McDonough, and Mercer counties have now been added to the list of Illinois counties with confirmed trait-resistance. Researchers have also experienced unexpected damage on the Agrisure trait in some fields too.

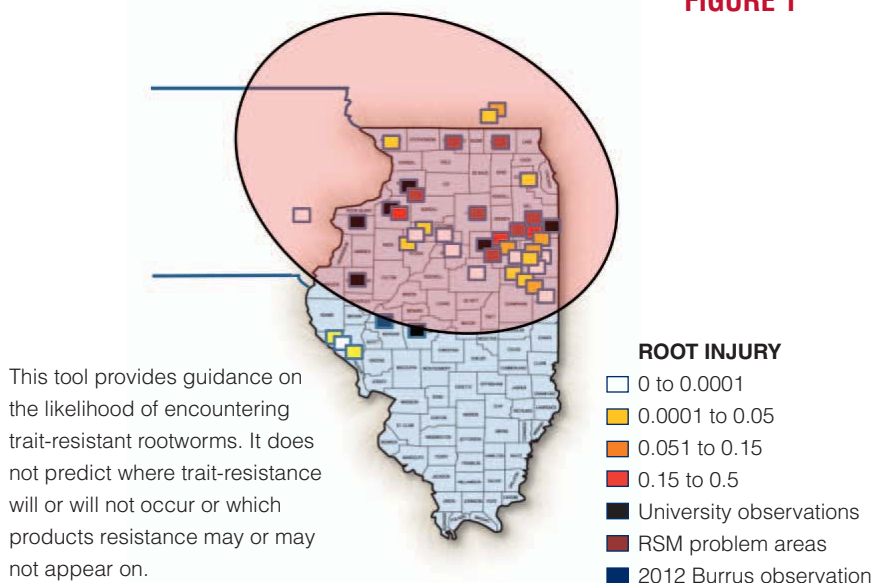
Burrus Account Managers were at the forefront of the 2013 rootworm battle providing valuable "intel" on rootworm injury "hot spots." Their observations helped Burrus conducted a series of root digs in suspect areas. While we cannot state anything about rootworm resistance based upon those surveys, we can state that suspicious levels of feeding did occur. We believe that survey granted us a picture of resistance distribution and currently feel the most "at risk trait-resistant rootworms zone" is represented in the red highlighted area in Figure 1.

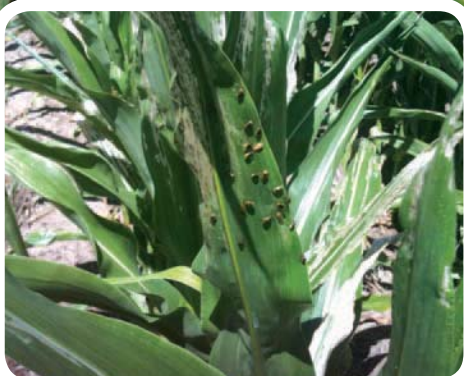
A Reminder on Resistance Management

The list of traits commercially available to battle rootworms is limited to four products. Two of those products are actually the same protein, which means there are only three currently available traits for rootworm management (the introduction of Duracade will increase that list to four). What comes after that? The answer is "nothing for the foreseeable future."

So here is the score. Two traits now have confirmed in-field resistance. All traits have been overcome by resistance in

ROOTWORM TRAIT RESISTANCE "RISK ZONE" FIGURE 1





the laboratory (indicating that resistance is possible). Burrus encountered “chew through” events in every available trait during 2013 (not confirmed resistance, but cases in which the pest inflicted significant injury on trait products). The territory for rootworm resistance also appears to be expanding. Nothing waits in the pipeline to save us if all traits eventually fail.

This led Burrus to the following statement in our 2013 Harvest Report:

“We need to take the fact that we encountered inconsistencies in rootworm trait performance as our signal that we must manage resistance.”

Burrus reiterates that point here. It is essential that growers manage resistance now. Rotate rootworm traits, rotate to soybeans, and strictly follow refuge guidelines. It is equally essential that growers scout their fields this season.

Minus scouting information, we have advised that insecticide be applied with trait to ward off significant rootworm injury within Figure 1’s “At Risk” zone. That recommendation is a “just in case approach.” With no information about a field, it is the best recommendation

we can currently provide. However, that kind of blind approach is not ideal and its’ continuous use is unsettling. The best approach is to use scouting information to determine ones need for an insecticide with trait. There are two ways for growers to scout. The first is called the “root dig method” and the second is called the “rootworm beetle count method.”

Root Dig Method:

- 1)** Record your gut feeling about the rootworm beetle population when walking the field in traited acres during July and August.
- 2)** Dig roots in July and August to evaluate rootworm control in traited and refuge acres.
- 3)** If the rootworm beetle population is high and root ratings of rootworm traited hybrids are 0.25 or higher use a granular insecticide the next year.
- 4)** Keep annual records of your observations.

Rootworm Beetle Count Method:

- 1)** Scout rootworm-traited acres at pollination.
- 2)** Examine four consecutive plants in five areas of the field:
 - Start at the bottom of the plant.
 - Count beetles on the leaf surface, leaf axils, stalk, ear tip, and tassel.
- 3)** Divide the total number of beetles by the number of plants examined to determine the average number of beetles per plant.
- 4)** If the average rootworm beetle population is 0.75 beetles or greater per plant, consider using a soil insecticide with rootworm traits the next year.
- 5)** Should the rootworm beetle population be less than 0.75 beetles per plant, wait two weeks and scout again.
- 6)** When the beetle population remains low for six weeks after the scouting trip, no soil insecticide is necessary with rootworm traits the next year.



BATTLING WEED RESISTANCE: SCOUT, BE CAUTIOUS, LOCK IT DOWN

Burrus believes that resistance is the single greatest agronomic issue facing growers, and we also believe resistance will continue to be the greatest single threat to productivity. We have often noted that agriculture faces the uncomfortable dilemma of having only a limited number of pest management tools, many of which are being lost to resistance (pests adapting to the point that such products no longer prove effective). If the issue of resistance has been displayed anywhere throughout the Burrus footprint, it has been dramatically displayed in the arena of weed management (especially in the arena of Roundup resistance).

Managing weed resistance essentially comes down to a five-step approach. Growers need to ambitiously scout their fields, and growers need to “Error on the Side of Caution.” Growers need to engage in a “Lockdown” strategy. Growers need to give herbicides a fighting chance, and growers need to move beyond “Number 9.”

Growers need to ambitiously scout their fields.

The weed resistance battle is a war. It is a war that, if lost, will dramatically increase the cost of production while decreasing yields. It is not dramatic to say that the outcome will define the future of agriculture. As with any

war, winning the battle requires good intelligence. You need to know the nature and status of your enemy. Weeds are that enemy.

Growers need a clear picture of historic weed pressure in each field. Detecting a problem requires such a reference point. Growers need to know the spectrum of weeds they have to deal with, and they should know if recent history has changed any part of that story. Windshield observations cannot provide that type of insight. Professional crop scouting can help, but surveying the field must also become part of the grower's daily routine (if it is not already). Grower “boots on the ground” are essential.



Growers need to error on the side of caution.

One of the most unfortunate things about resistance is that once officially confirmed, management strategies are already too late. Rather than waiting to battle resistance, growers should be battling resistance before it ever gains a foothold. We might call this being proactive rather than reactive. Here are a few signals that might indicate resistance is beginning or ready to appear:

- 1) Weeds that escape minus obvious applicator errors.
- 2) The rise of a single “hard to control” species rather than multiple “hard to control species.”
- 3) Plant herbicide exposure symptoms minus plant death.
- 4) Historic good control followed by a recent change toward more escapes.
- 5) Frequent or continuous reliance upon one herbicide mode of action.

Some might say that this sounds like “nervous pest management,” but Burrus would say this is an “error on the side of caution.”

Growers need to engage in a “lockdown” strategy.

“Lockdown” is defined as “a state of isolation or restricted access instituted as a security measure.” We have already stated that resistance represents one of the most significant threats to 21st century agriculture.

It might be a little dramatic to say that resistance is an “agricultural security” issue, but with that said, the statement really is not too far from the mark. When an issue of security arises, a first logical step toward winning the battle is to limit access. In this case, the enemy is resistant weeds, and we need to restrict current and/or future access to the field.

First, we need to remove suspect weeds to eliminate seed production (even if only a few and even by hand if necessary). Second, we need to remove suspect plants that reside near a field (elimination of suspect weeds along road sides comes to mind via hand removal or by mowing the field previous to seed production). Third, we need to avoid those areas infested with suspect plants during harvest (removing those plants from the field soon after harvest or

that rain may soon wash a lot of it from the plant, poor coverage, etc., all create a “less than lethal” exposure event.

Growers need to move beyond number 9.

While the list of herbicide resistance concerns is long, we would lie if we did not admit that glyphosate/Roundup® resistant weeds are the weed resistance topic at the moment. Glyphosate is cheap and until recently, it has been very



mowing them down minus incorporation to increase seed mortality). Fourth, we need to avoid using products, materials, or equipment that could harbor seed from resistant plants (no more hitching a ride into fields).

Growers need to give herbicides a fighting chance.

One of the quickest ways to encourage herbicide resistance is to expose a plant to “less than lethal” amounts of herbicide. Skimping on rates is one example of “less than lethal”/resistance encouraging herbicide exposure. However, there are many ways to create “less than lethal” exposure. Applying an incorrect rate for the size of plant, applying a product with the knowledge

affective across fields. This resulted in repeated high use of Roundup which created lots of selection/resistance pressure. Glyphosate is classified as a HRAC 9 herbicide (HRAC stands for Herbicide Resistance Action Committee).

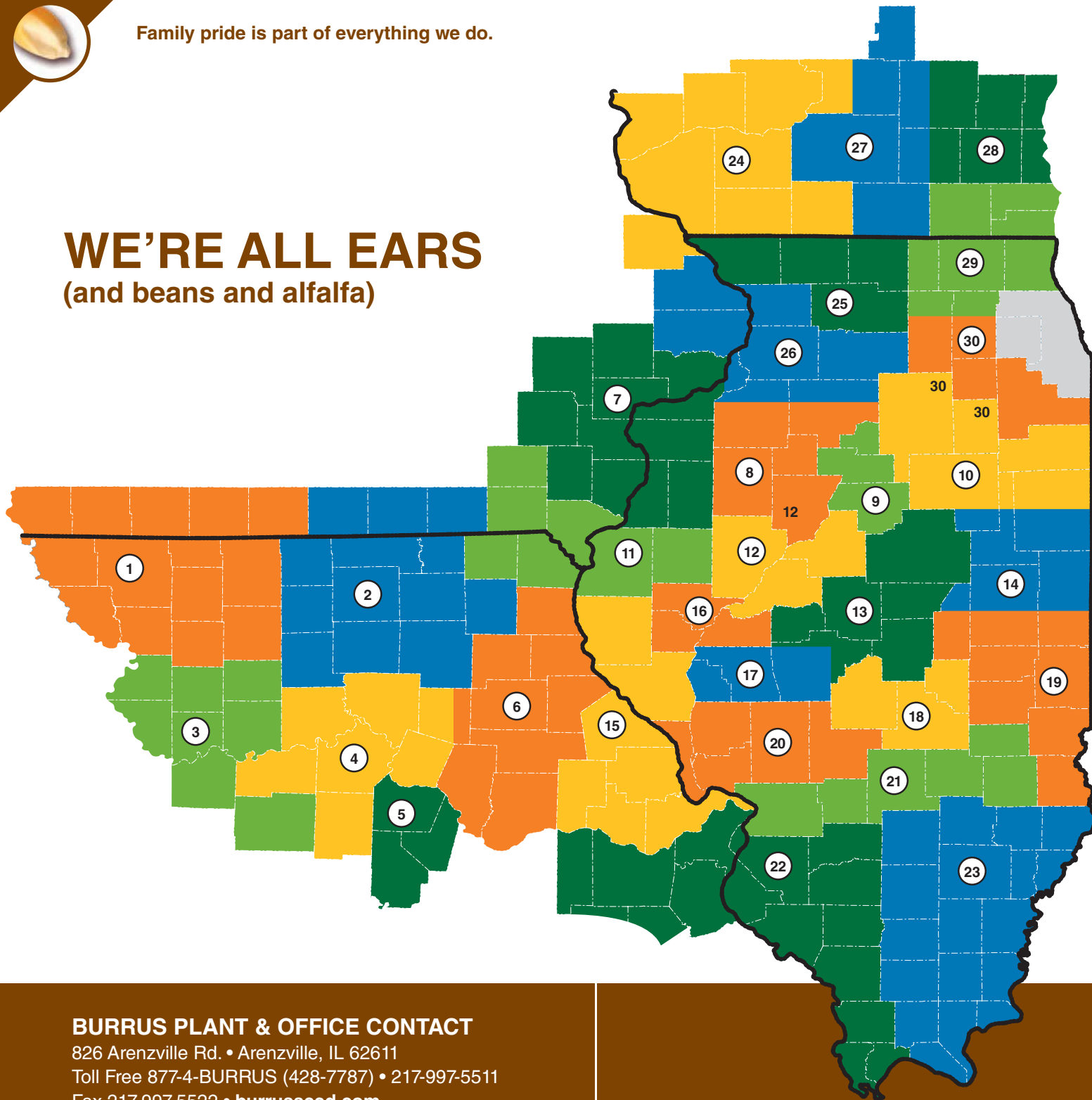
A truly effective resistance management program must move beyond reliance upon only HRAC 9 (or any single HRAC group for that matter). Other modes of action should be used in place of HRAC 9 or other frequently used modes of action. Other modes of action should also be used before or along with HRAC 9 (glyphosate) or other frequently used modes of action as well.



Family pride is part of everything we do.

WE'RE ALL EARS

(and beans and alfalfa)



BURRUS PLANT & OFFICE CONTACT

826 Arenzville Rd. • Arenzville, IL 62611
Toll Free 877-4-BURRUS (428-7787) • 217-997-5511
Fax 217-997-5522 • burrusseed.com

TOM BURRUS

h: 217-997-5876
c: 217-248-5511
tom.burrus@burrusseed.com

TODD BURRUS

h: 217-997-5920
c: 217-248-0214
todd.burrus@burrusseed.com

TIM GREENE

h: 217-457-2326
c: 217-370-1987
tim.greene@burrusseed.com

KEVIN BURRUS

c: 217-491-3355
kevin.burrus@burrusseed.com

MARTHA KROHE

c: 217-248-1788
martha.krohe@burrusseed.com



#BurrusSeed

HUGHES PLANT & OFFICE CONTACT

206 N. Hughes Rd. • Woodstock, IL 60098
Toll Free 888-THE-CORN (843-2676) • 815-338-1141
Fax 815-338-1122 • hugheshybrids.com

DAVE HUGHES

c: 815-482-1255
dave@hugheshybrids.com

JIM HUGHES

c: 815-482-1257
jim@hugheshybrids.com

DON HUGHES

c: 815-482-1256
don@hugheshybrids.com

GENERAL SALES MANAGER

JOHN R. BRUTTY

h: 402-564-9767
c: 402-564-9500
260 SE 14th Ave.
Columbus, NE 68601
john.brutty@burrusseed.com

SALES MANAGERS

BRIAN REED

c: 217-202-9567
1603 Briarwood Lane
Mahomet, IL 61853
brian.reed@burrusseed.com

TOM SANDAHL, C.C.A.

c: 815-541-3783
sandahl.t@hugheshybrids.com

JOHN WILLIAMS, C.P.A.G., C.C.A.

h: 888-747-2783
c: 309-241-7564
17356 Red Shale Hill Rd.
Pekin, IL 61554
john.williams@burrusseed.com

SETH LINK (2)

h: 660-895-5292
c: 800-284-8490
23895 Dayton Dr.
Meadville, MO 64659
seth.link@burrusseed.com

TIM CARMODY (20)

c: 618-556-8400
RR #2 Box 88A
Hardin, IL 62047
tim.carmody@burrusseed.com

AGRONOMISTS

MATT MONTGOMERY, C.C.A.

c: 309-657-0328
matt.montgomery@burrusseed.com

STEPHANIE PORTER, C.C.A.

c: 217-898-9299
stephanie.porter@burrusseed.com

PRECISION FARMING CONSULTANT

JERAD ROPP

c: 319-461-2929
jerad.ropp@burrusseed.com

CUSTOMER SERVICE REPRESENTATIVES

SHEILA SMITH

217-997-5511 ext. 221
sheila.smith@burrusseed.com

ASHLEY DAVIS

217-997-5511 ext. 228
ashley.davis@burrusseed.com

KELSEY LINDSEY

217-997-5511 ext. 222
kelsey.lindsey@burrusseed.com

DEB HOOTS

217-997-5511 ext. 223
deb.hoots@burrusseed.com

LINDSAY STILTZ

217-997-5511 ext. 262
lindsay.stiltz@burrusseed.com

TORI WERRIES

217-997-5511 ext. 225
tori.werries@burrusseed.com

ANN RATLIFF

815-338-1141
ann.ratliff@hugheshybrids.com

ACCOUNT MANAGERS

RILEY YOUNG (3)

c: 660-413-1212
Mendon, MO 64660
riley.young@burrusseed.com

DONNY MARNIN, C.C.A. (4)

h: 660-272-4420
c: 660-247-1388
18456 Elkspring Rd.
Mendon, MO 64660
donny.marnin@burrusseed.com

MATTHEW IVY (5)

c: 660-888-0176
20652 Oakwood Dr.
Blackwater, MO 65322
matt.ivy@burrusseed.com

JORDAN WATSON (6)

c: 573-470-4352
3949 Hwy 36
Shelbina, MO 63468
jordan.watson@burrusseed.com

CLAYTON COOK (7)

h: 309-456-3710
c: 309-333-8883
9460 N. 2100th Rd.
Sciota, IL 61475
clayton.cook@burrusseed.com

DALTON SHEPHERD (8)

c: 309-221-2167
RR2 Box 263E
Rushville, IL 62681
dalton.shepherd@burrusseed.com

RICHARD BURNS (9)

h: 800-529-7480
c: 309-208-9049
9318 N. Old Towerline Rd.
Kickapoo, IL 61528
dick.burns@burrusseed.com

DENNIS MUELLER, C.C.A. (10)

h: 800-491-1747
c: 815-791-4141
14940 W. Kennedy Rd.
Manhattan, IL 60442
dennis.mueller@burrusseed.com

JEFF HYDE, C.C.A. (11)

h: 877-927-9674
c: 309-299-3850
340 W. Breckenridge
Blandinsville, IL 61420
jeff.hyde@burrusseed.com

RICK URISH, C.C.A. (12)

c: 309-613-2244
302 Sunset Dr.
Manito, IL 61546
rick.urish@burrusseed.com

LYNN MCKIBBEN (13)

c: 309-202-6378
2131 Marigold Dr.
Pekin, IL 61554
lynn.mckibben@burrusseed.com

QUINN MOLLER (14)

c: 765-430-5630
9223 N. Rainsville Rd.
Pine Village, IN 47975
quinn.moller@burrusseed.com

KEITH MARTIN, C.C.A. (15)

h: 877-324-1565
c: 217-577-3644
45519 County Hwy. 8
Pittsfield, IL 62363
keith.martin@burrusseed.com

ROSS BROCKHOUSE, C.C.A. (16)

c: 217-491-6575
21 W. Deerpath Dr.
Beardstown, IL 62618
ross.brockhouse@burrusseed.com

BRIAN SIX (17)

c: 217-491-1525
2139 St. Paul's Church Rd.
Chapin, IL 62628
brian.six@burrusseed.com

LUKE TURNER (18)

h: 866-649-4920
c: 217-825-9594
2709 Essex Ave.
Mattoon, IL 61938
luke.turner@burrusseed.com

RYNE BREWER (19)

c: 309-838-7247
3916 Wild Flower Dr.
Champaign, IL 61822
ryne.brewer@burrusseed.com

JOE FLETCHER (21)

h: 618-466-3530
c: 618-980-8676
4610 Camillia Place
Alton, IL 62002
joe.fletcher@burrusseed.com

JOHN HOWELL, C.C.A. (22)

h: 800-838-7930
c: 618-806-5163
7530 Griggs Rd.
Red Bud, IL 62278
john.howell@burrusseed.com

ROB KIEFER, C.C.A. (23)

c: 618-731-0815
22755 E. IL Hwy 142
Belle Rive, IL 62810
rob.kiefer@burrusseed.com

GARY OTT, C.C.A. (24)

c: 608-370-3848
1628 Hemlock St.
Sauk City, WI 53583
ott@hugheshybrids.com

BRYCE SANDAHL (25)

c: 608-301-7169
10217 N. Adeline Rd.
German Valley, IL 61039
bryce.sandahl@hugheshybrids.com

AARON RICE (26)

c: 815-994-1662
1311 Howard St.
Sterling, IL 61081
a.rice@hugheshybrids.com

ROBERT WAGNER (27)

c: 608-444-1708
7686 Westman Way Rd.
Middleton, WI 53562
wagner@hugheshybrids.com

BRAD KUFALK, C.C.A. (28)

c: 920-296-3088
N6201 County Road G
Beaver Dam, WI 53916
brad.kufalk@hugheshybrids.com

JASON HOGAN (29)

c: 815-790-2278
7307 Hawthorn Lane
Spring Grove, IL 60081
hogan@hugheshybrids.com

JUSTIN PARKS (30)

c: 815-590-8452
3909 Hitt Rd.
Milledgeville, IL 61051
parks@hugheshybrids.com





NOMENCLATURE THE MORE THINGS CHANGE... THE MORE THEY STAY THE SAME

Dealers and customers will see the same nomenclature as 2015. Here is a review of the Burrus® nomenclature to designate seed size and treatment:

HP – this still represents high rate Poncho® 1250 with VOTiVO® nematicide.

BXR – is recognized as what was previously PX23 in the Burrus system. This seed size is a Poncho® 500 VOTiVO treated round-sized seed ranging from 38 lbs. and up.

BX3 – is a Poncho® 500 VOTiVO treated seed that has been sized as either a flat or a round. The size range is 30-39 lbs. This seed size carries a discount.

BX4 – is also treated with Poncho® 500 VOTiVO and is a flat or round weighing 40-49 lbs.

Many growers have come to realize that a number listed behind the nomenclature marker represents the weight range of that specific hybrid in the Burrus system. For example, a BX4 will weigh between 40-49 lbs. and a BX5 will be in the weight range of 50-59 lbs.

Growers can capitalize on additional seed size discounts within our system when those particular sizes are available. Discounts are given for small and extremely large seed sizes. BX3s, BX6s and BX7s have a discount off retail price. The new Catalyst® brand brings different

seed sizes for added protection from several insects.

All Catalyst brand products will be packaged in 80,000 kernel packages for 2015.

F1 & R1 will weigh 32 to 42 lbs. They will appear in the BX3 column for ordering.

F2 will weigh 43 to 55 lbs. They will appear in the BX5 column.

F3 will weigh 56 lbs. & up. They will appear in the BX6 column.

R2 & R3 will weigh 43 to 55 lbs. and 56 lbs. and up respectively and will appear in the BXR column.

For planter information see page 58.

UPDATED NUMBERING SYSTEM FOR 2015

The Burrus numbering system indicates the maturity with the first digit. Multiply the first digit by two then add 100 for the maturity day rating. The example 4A30AM1™* brand, multiply the first digit by 2 = 8 then add 100. this depicts the maturity range as 108-109 day. The second letter and last two digits are at random except for the Optimum® AcreMax® products. Optimum® AcreMax® 1 products carry the letter “A” while the Optimum®

AcreMax® RW products are depicted with the letter “M”. When the letter is the same and the digits are consecutive indicates a similar family e.g. Brands 6B50™*, 6B51R™* and 6B52S™*. The last letter(s) is silent that was added to the product number for the purpose of reminding growers of the technology included in that product. The chart below explains what each means.

Brands	Maturity	Group	Technology	Designation	RR	LL	Resistance or Control
Power Plus® 5C17AMXT™*	113	Above/ Below- Ground Insect Control	Optimum® AcreMax® XTreme AMXT				Herculex® XTRA gene, Agrisure® RW trait, YieldGard® Corn Borer gene
Burrus 5Z44 3122	110		Agrisure® 3122 E-Z Refuge®	3122			Agrisure® Rootworm, Herculex® Xtra, Agrisure® Corn Borer
Power Plus® 6F74AMX™*	113		Optimum® AcreMax® Xtra	AMX			Herculex® Xtra, YieldGard® Corn Borer
Power Plus® 4J94AMX-R™*	108		Optimum® AcreMax® Xtra	AMX-R			Herculex® Xtra, YieldGard® Corn Borer
Power Plus® 7A18AM1™*	114		Optimum® AcreMax® 1	AM1			90% Herculex® Xtra and 10% Herculex® I Corn Borer
Catalyst® 4685 3111	109		Agrisure Viptera® 3111	3111			Agrisure® Broad Lepidopteran, Agrisure® Rootworm, Agrisure® Corn Borer
Burrus 6T54 3000GT	113	Above- Ground Insect Control	Agrisure® 3000GT	3000GT			Agrisure® Rootworm, Agrisure® Corn Borer
Hughes 2987 3011A	101		Agrisure Artesian® 3011A	3011A			Agrisure Artesian®, Agrisure® Rootworm, Agrisure® Corn Borer
Power Plus® 4J93AM™*	109		Optimum® AcreMax®	AM			Herculex® I Corn Borer, YieldGard® Corn Borer
Power Plus® 7U15AM-R™*	114		Optimum® AcreMax®	AM-R			Herculex® I Corn Borer, YieldGard® Corn Borer
Power Plus® 7H23 S™*	108		Stacked, Herculex® I	S			Herculex® I Corn Borer
Power Plus® 6F71 R™*	113		Roundup Ready®	R			Glyphosate tolerant
Hughes 5124 GT	107	Non-GM	Agrisure® GT	GT			Glyphosate tolerant
Hughes 2428 GTA	100		Agrisure Artesian® GTA	GTA			Agrisure Artesian®, Glyphosate tolerant
Burrus 6G64	113	Other	Non-GM Conventional	no letters			No traits
Power Plus® 1M45AMRW-R™*	102		Optimum® AcreMax® RW	AMRW-R			90% Herculex® Rootworm and 10% Roundup Ready® tolerant

1286 3000GT

Brand

Hughes

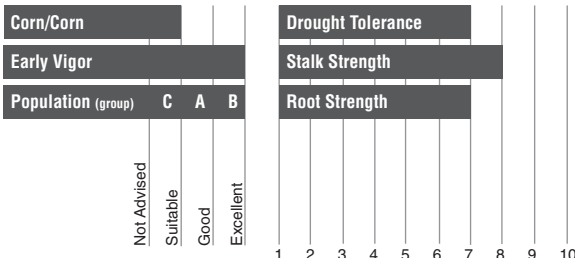
94 Day Maturity

Agrisure
3000GT

Agrisure
3000GT

LIBERTY
LINK

- Responds to high management practices
- Fixed ear requires population bump
- Husks open up for rapid dry down



GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

LIBERTY
LINK

The problem solver.

ABOVE /
BELOW-GROUND
INSECT CONTROL



Agrisure

Force[®] 3G

Force[®] CS

General Characteristics

Plant height: 7
Ear height: 7
Ear type: Fixed

Planting Information Population

Speed of emergence: 7	31 – 37
High organic soils: 10	27 – 33
Timber soils: 8	27 – 33
Clay & varied soils: 8	23 – 29
Sand (dryland): 7	31 – 37
Sand (irrigated): 9	
Wet soils: 7	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: NR
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

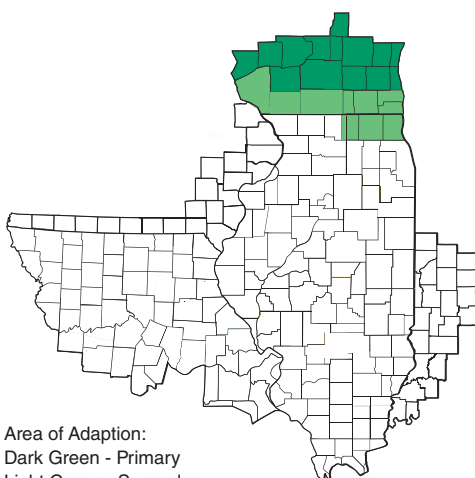
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1130
GDD to 30%: 2190
Ear retention: 8
High tonnage silage: 8
Harvest residue: 7

Refuge

20% structured refuge
Hughes[®] 2428 GTA



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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Liberty[®] and LibertyLink[®] are registered trademarks of Bayer.

CASH IN, NOT OUT

Corn-on-corn is still an important option for income maximization. We offer numerous options to protect your farm from developing rootworm resistance. Move to dual modes of action for CRW by adding Force[®] insecticide to your corn rootworm protection or rotate the corn rootworm event. You can save on Force[®] insecticide when applying it to Agrisure[®] traits as well as high rate seed treatment (Poncho 1250) for a second mode of action and protection. We have a complete strategy for growers with concerns of corn rootworm resistance. Talk to your Account Manager for a complete understanding.



ABOVE / BELOW-GROUND INSECT CONTROL

BUGGED ENOUGH TO MAKE A CHANGE?

"Western corn rootworms have adapted to virtually every management approach that has been used repeatedly and not integrated, including several classes of insecticides, the Cry3Bb1 protein used in some Bt hybrids," Dr. Mike Gray, U of I entomologist.

The Cry3Bb1 referenced for failing, is used by Monsanto in their YieldGard VT3, Genuity Triple PRO and SmartStax products.

Caution! If you planted any of these, the last three years in a row, you are at the highest risk and could be nearing a corn rootworm disaster!

2987 3011A

Brand

101 Day Maturity

- Excellent late-season stalk and fall appearance
- Consistent high yielding choice
- Good agronomics in early season product

Corn/Corn			
Early Vigor			
Population (group)	C	B	A
Not Advised			
Suitable			
Good			
Excellent			

Drought Tolerance		Artesian
Stalk Strength		
Root Strength		

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

GLYPHOSATE
 CONVENTIONAL
 GLUFOSINATE

Gets it done when conditions are tough.

General Characteristics

Plant height: 7
Ear height: 7
Ear type: Flex

Planting Information Population

Speed of emergence: 8	
High organic soils: 9	34 – 40
Timber soils: 9	31 – 37
Clay & varied soils: 9	31 – 37
Sand (dryland): 8	26 – 32
Sand (irrigated): 9	34 – 40
Wet soils: 8	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 6
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes
Water use efficiency trait:

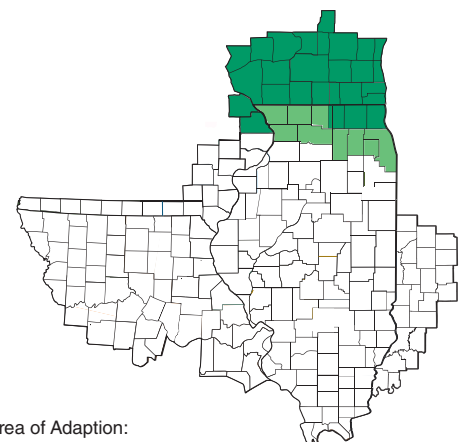


Harvest Information

Grain quality: 7
Test weight: 6
GDD to silk: 1250
GDD to 30%: 2400
Ear retention: 8
High tonnage silage: 8
Harvest residue: 8

Refuge

20% structured refuge
Hughes® 2428 GTA
Power Plus® 1B44 R™



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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3953 3000 GT
Brand

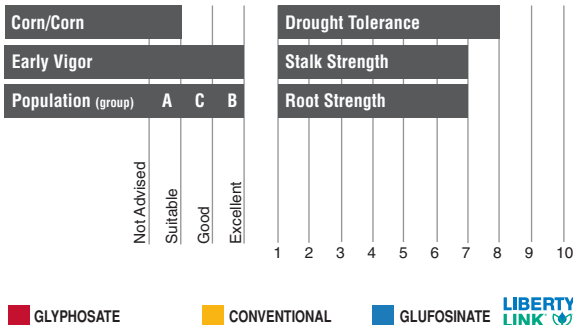
Hughes

103 Day Maturity

Agrisure
3000GT

Agrisure
3000GT

- Best adapted to IL/WI state line area
- Will work corn after corn
- Versatile product that performs across soil types



A top performer for the state line.

General Characteristics

Plant height: 8
Ear height: 8
Ear type: Intermediate

Planting Information Population

Speed of emergence: 8	
High organic soils: 9	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 9	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 7	

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 9
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

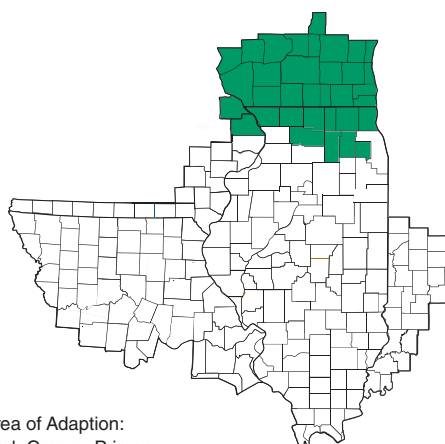
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1270
GDD to 30%: 2450
Ear retention: 8
High tonnage silage: 9
Harvest residue: 8

Refuge

20% structured refuge
Power Plus® 1B44 R™*
Hughes® 2428 GTA



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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**ABOVE /
BELOW-GROUND
INSECT CONTROL**



PROTECT YOUR FARM

1. Rotate corn rootworm traits from year to year. If you planted YieldGard® last year, move to Herculex® or Agrisure® RW for a different corn rootworm event. Do not continue to use the same trait year after year.
2. Use multiple modes of action. Add a soil insecticide to the corn rootworm trait.
3. Plant soybeans.
4. Plant a conventional, non-GM hybrid and use soil insecticide.
5. Always plant a refuge.
6. Go to our website burrusseed.com or call us at 1-877-4BURRUS for a complete discussion or to answer any questions.

Avoid a potential disaster on your farm next year. Burrus is willing to help you safely manage around this problem. We have technology solutions for rotation in high performing products.

Optimum
AcreMax
ABOVE / BELOW Xtreme

Agrisure
3122
E-Z Refuge®

HERCULEX® XTRA
Insect Protection
HX



ABOVE /
BELOW-GROUND
INSECT CONTROL

THE BURRUS MISSION

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

2V56AMXTM*
Brand

105 Day Maturity

- High test weight grain
- Good top-end yield potential leads to grower's smiles
- No refuge needed
- Will benefit from fungicide applications under GLS pressure

Corn/Corn				Drought Tolerance	
Early Vigor				Stalk Strength	
Population (group)	A	C	B	Root Strength	
Not Advised					
Suitable					
Good					
Excellent					
				1	2
				3	4
				5	6
				7	8
				9	10

GLYPHOSATE
 CONVENTIONAL
 GLUFOSINATE

Convenience, drought protection and yield.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information

Planting Information	Population
Speed of emergence: 8	
High organic soils: 7	31 – 37
Timber soils: 8	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 8	31 – 37
Wet soils: 7	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 6
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: NR
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 5

Protection

Nematode protection: Yes
Water use efficiency trait:

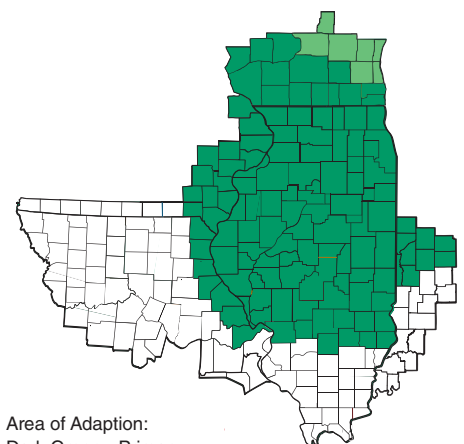


Harvest Information

Grain quality: 7
Test weight: 8
GDD to silk: 1330
GDD to 30%: 2450
Ear retention: 7
High tonnage silage: 8
Harvest residue: 5

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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Liberty® and LibertyLink® are registered trademarks of Bayer.



5456 3000 GT
Brand



Hughes

107 Day Maturity

Agrisure
3000GT

Agrisure
3000GT

- Excellent ear flex capability
- Very good fall appearance and intactness
- Husks open well for fast drydown

Corn/Corn

Early Vigor

Population (group)

A C B

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

LIBERTY
LINK

Fits all operations.

ABOVE /
BELOW-GROUND
INSECT CONTROL



PowerShield®

POWERSHIELD® TO THE RESCUE

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

General Characteristics

Plant height: 8
Ear height: 7
Ear type: Flex

Planting Information Population

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

31 – 37
27 – 33
27 – 33
23 – 29
31 – 37

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 6
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 6
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 6

Protection

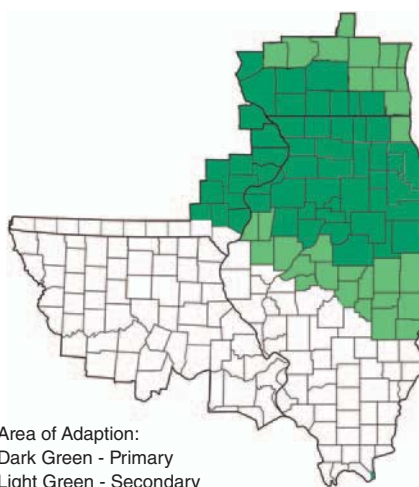
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 6
GDD to silk: 1350
GDD to 30%: 2700
Ear retention: 7
High tonnage silage: 10
Harvest residue: 9

Refuge

20% structured refuge
Hughes® 5124 GT
Power Plus® 4P11 R™*



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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ABOVE /
BELOW-GROUND
INSECT CONTROL

WHAT MAKES US DIFFERENT?

We respect each brand of seed that survives today, but honestly we are different than most of the other seed 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 offer better products and provide more information and better service than the national brands.
- We have more fire in our belly, more passion to please you!
- For these and other reasons more growers are switching to and increasing their acres with our products

4Y27AMX™*

Brand

108S / 107N Day Maturity

- Excellent greensnap resistance along with excellent roots
- Good in no-till and early planting
- Optimum® AQUAmax® hybrid with great drought tolerance
- No refuge needed
- Count on this one for consistent performance

Corn/Corn				Drought Tolerance AQUAmax®									
Early Vigor				Stalk Strength									
Population (group)	C	A	B	Root Strength									
Not Advised													
Suitable													
Good													
Excellent													
				1	2	3	4	5	6	7	8	9	10

■ GLYPHOSATE
■ CONVENTIONAL
■ GLUFOSINATE

Plant it on your best farm.

General Characteristics

Plant height: 5
Ear height: 5
Ear type: Fixed

Planting Information Population

Speed of emergence: 8	
High organic soils: 10	31 – 37
Timber soils: 8	27 – 33
Clay & varied soils: 8	27 – 33
Sand (dryland): 7	23 – 29
Sand (irrigated): 7	31 – 37
Wet soils: 6	

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 6
Anthracnose tolerance: 5
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 8
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes
Water use efficiency trait:

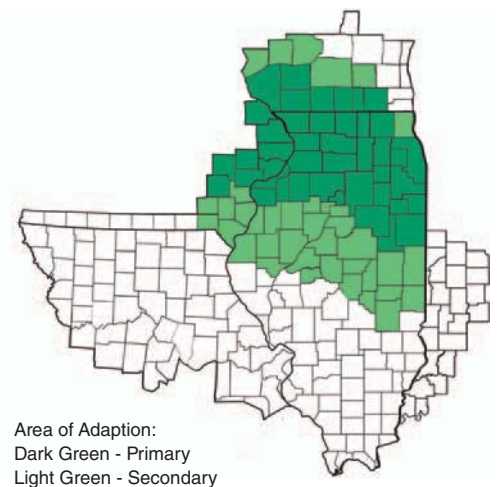


Harvest Information

Grain quality: 8
Test weight: 9
GDD to silk: 1320
GDD to 30%: 2700
Ear retention: 7
High tonnage silage: 5
Harvest residue: 5

Refuge

Integrated refuge



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4G46AMX™*
Brand

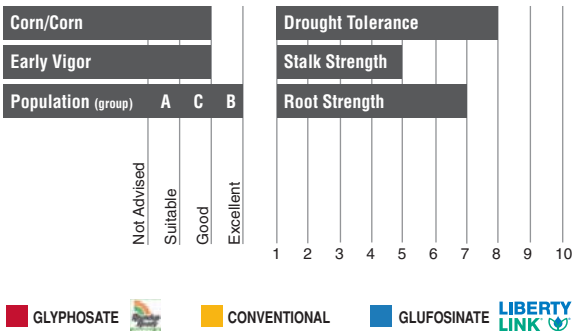
**POWER
PLUS®**

108S / 107N Day Maturity

AcreMax
Antimicrobial
Xtend

AcreMax
Antimicrobial
Xtend

- Heavy test weight grain
- Very good drought tolerance
- Responds to high management practices like fungicide applications



High yield with convenience.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7
High organic soils: 9 31 – 37
Timber soils: 8 27 – 33
Clay & varied soils: 8 27 – 33
Sand (dryland): 7 23 – 29
Sand (irrigated): 8 31 – 37
Wet soils: 8

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 4
Anthracnose tolerance: 5
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 6
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

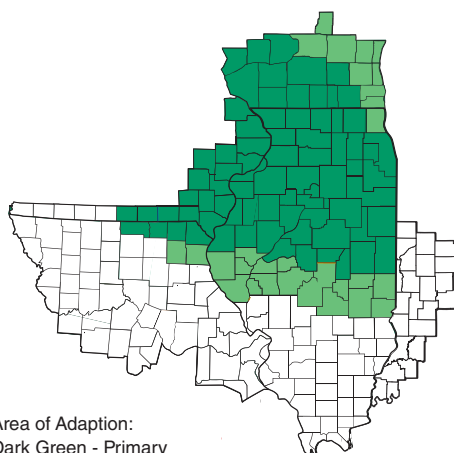
Nematode protection: Yes

Harvest Information

Grain quality: 8
Test weight: 9
GDD to silk: 1330
GDD to 30%: 2730
Ear retention: 8
High tonnage silage: 9
Harvest residue: 6

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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ABOVE /
BELOW-GROUND
INSECT CONTROL



PROFESSIONAL AGRONOMIST STEPHANIE TO HELP YOU

“Stephanie Porter is an experienced, talented individual with extensive knowledge in troubleshooting and loves to figure out what has impacted plant growth,” said Todd Burrus. “Her background of growing up on a farm and having an active role in it as well as her capabilities are an incredible match for the Burrus position. We consider the addition of Stephanie’s knowledge an ideal gain for our customers. They will benefit greatly from her added skills.”

Previously with the University of Illinois Plant Clinic for three years, Porter held conservationist, education and diagnostician positions, receiving numerous awards. She also served in a management position for three years with Crop Pro-Tech, Inc. in Bloomington, IL. Porter is active in many professional organizations including Illinois Extension Agriculture Agents, National Plant Diagnostic Network Training, and Education Committee, and was elected to the Illinois Arborist Association Board.



ABOVE / BELOW-GROUND INSECT CONTROL



AQUAmax®

Designed to make the most out of every drop!

- In non-irrigated trials
5.4 bu/acre advantage
- In irrigated conditions 3.4 bu/a
yield advantage
- Tough from tassel to root
- Advance stoma control to be
more efficient with water
- Aggressive silking for improved
kernel set
- Better staygreen to lengthen
the window for growth
- Deeper kernels maintain yield
under late season stress
- Efficient root system
penetrates deeper in the soil
to capture moisture
- Uses less water per bushel
- 70% win ratio on NON irrigated
growing conditions
- 61% win ratio on irrigated
growing conditions

For 2015 we offer seven products that carry the Optimum® AQUAmax® logo and can reduce your risk of heat and drought.

In 2011-2013 trials, Optimum® AQUAmax® products from PROaccess Genetics were grown in 404 non-irrigated research plots, on-farm strip test and on-farm side-by-sides with a win ratio of 70 percent across IA, SD, NE, KS, CO, MO and OK. Cumulative claim includes all 2011 and 2012 research plots against competitive hybrids (+/- 5 CRM), on-farm strip plot (+/- 10 CRM) and on-farm side-by-side comparisons against one similar CRM commercial product. These same products demonstrated a 3.4 bushel advantage with a win ratio of 61 percent in 210 irrigated comparisons. Product performance in non-irrigated environments is variable and depends on many factors such as the severity and timing of moisture deficiency, heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. All hybrids may exhibit reduced yield under water and heat stress. Individual results may vary.

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4J95AMX™*

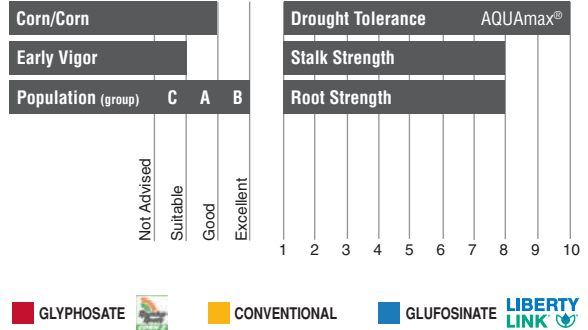
Brand

109 Day Maturity



- Will adapt very well across geography and soil types
- Good agronomics and responds favorably to fungicide management
- Optimum® AQUAmax® hybrid with great drought tolerance

POWER PLUS®



The new standard for yield with no refuge needed.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7	
High organic soils: 9	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): NR	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: NR	

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 6
Anthracnose tolerance: NR
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 5
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes
Water use efficiency trait:



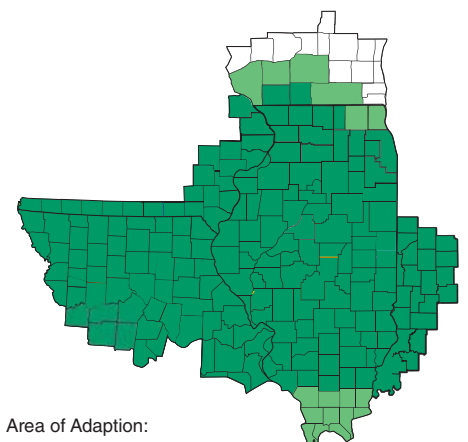
AQUAmax®

Harvest Information

Grain quality: 8
Test weight: 7
GDD to silk: 1340
GDD to 30%: 2750
Ear retention: 9
High tonnage silage: 5
Harvest residue: NR

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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4685 3111
Brand

 **Catalyst**

109S / 112N Day Maturity

 Agrisure
VipteraSM

 Agrisure
VipteraSM

- Favorable drought tolerance scores
- Excellent plant integrity allows for harvest flexibility
- May respond to fungicide application management

Corn/Corn

Early Vigor

Population (group)

A B C

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

 GLYPHOSATE

 CONVENTIONAL

 GLUFOSINATE

 LIBERTY
LINK

Wide adaptation on all soils.

General Characteristics

Plant height: 5
Ear height: 5
Ear type: Flex

Planting Information Population

Speed of emergence: 7
High organic soils: 10 28 – 34
Timber soils: 9 26 – 32
Clay & varied soils: 10 26 – 32
Sand (dryland): 9 21 – 27
Sand (irrigated): 10 28 – 34
Wet soils: 6

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 8
Anthracnose tolerance: 7
Gray leaf spot tolerance: 4
Diplodia ear rot tolerance: NR
Goss's wilt: 7
Plant growth regulator sensitivity: 6
Greensnap tolerance: 8

Protection

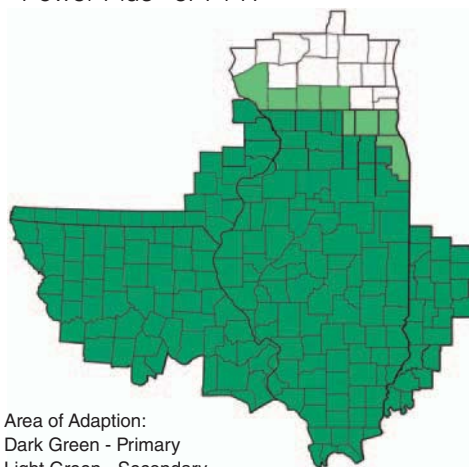
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 6
GDD to silk: 1420
GDD to 30%: 2750
Ear retention: 8
High tonnage silage: 5
Harvest residue: 5

Refuge

20% structured refuge
Power Plus® 4P11 R™*
Burrus® 5Z41 GT
Power Plus® 6F71 R™*



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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ABOVE /
BELOW-GROUND
INSECT CONTROL



NAME OUTSIDE, TRUST INSIDE

During the past year many growers have toured the updated Hughes facility to see first-hand the improvements that have been implemented at their plant and offices. It is a state of the art facility with experienced operators who know how to achieve the highest quality in the seed business.



Don Hughes



ABOVE /
BELOW-GROUND
INSECT CONTROL

OUR MULTI-BRAND STRATEGY BRINGS MORE CHOICES

Growers have individual needs and preferences, that is why we access traits and genetics from multiple suppliers. When you buy seed from us you get the genetic diversity and trait protection you need. Our competitive advantages allows you to focus on the best solutions rather than spending time shopping with multiple seed companies.



5C17AMXT™
Brand

POWER PLUS

NEW

110 Day Maturity

- Plant it thick
- Enjoy its hard, heavy test weight grain
- 2 modes of action for both above and below ground insect control
- Responds to fungicides
- Husks that flair and thrives on prairie soils

Corn/Corn				Drought Tolerance	
Early Vigor				Stalk Strength	
Population (group)	C	A	B	Root Strength	
Not Advised					
Suitable					
Good					
Excellent					

GLYPHOSATE
 CONVENTIONAL
 GLUFOSINATE
 LIBERTY LINK

A new meaning for top end yield potential.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Intermediate

Planting Information

Planting Information	Population
Speed of emergence: 7	
High organic soils: 10	31 – 37
Timber soils: 7	27 – 33
Clay & varied soils: 7	27 – 33
Sand (dryland): 6	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 7	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 7
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

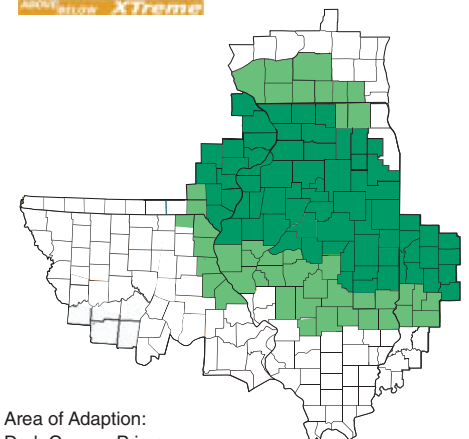
Nematode protection: Yes

Harvest Information

Grain quality: 9
Test weight: 9
GDD to silk: 1370
GDD to 30%: 2700
Ear retention: 8
High tonnage silage: 10
Harvest residue: 8

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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5Z44 3122

Brand



Think
BURRUS

NEW

111 Day Maturity



- Excellent in corn-on-corn situations
- Big ears with deep kernels to make you proud
- Prefers low plant population densities
- Prefers the better soils
- Single bag refuge

Corn/Corn				Drought Tolerance									
Early Vigor				Stalk Strength									
Population (group)				Root Strength									
	A	B	C										
Not Advised													
Suitable													
Good													
Excellent													

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

Long spiky kernels on a girthy ear spells yield.

General Characteristics

Plant height: 6
Ear height: 5
Ear type: Intermediate

Planting Information Population

Speed of emergence: 9
High organic soils: 9 28 – 34
Timber soils: 9 26 – 32
Clay & varied soils: 9 26 – 32
Sand (dryland): 8 21 – 27
Sand (irrigated): 9 28 – 34
Wet soils: 8

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 8
Anthracnose tolerance: NR
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 6
Plant growth regulator sensitivity: NR
Greensnap tolerance: 7

Protection

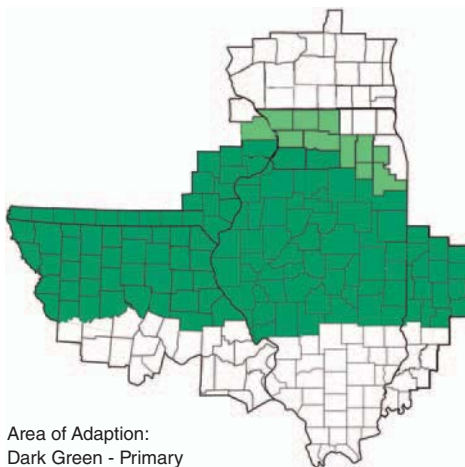
Nematode protection: Yes

Harvest Information

Grain quality: 8
Test weight: 7
GDD to silk: 1400
GDD to 30%: 2800
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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ABOVE /
BELOW-GROUND
INSECT CONTROL



OWN YOUR CORN YIELD DATA?

Since we are farmers, we think you should own your corn yield data as well as your fertilizer applications and soil tests. When you deal with Burrus/Hughes on the MyFarmsSM portal, you always own it!

Ask other suppliers if your data is protected when you provide them data?

Even if you decide not to do business with us down the road, you can pay the subscription fee and keep the site for storing your confidential records. We see this as a major philosophical difference from other seed suppliers. As a farmer you have the right to protect your intellectual property too. If they know how much you made, how much will they charge you?



ABOVE /
BELOW-GROUND
INSECT CONTROL

**Agrisure
Viptera[®]**
3111

Agrisure[®]GT



STRUCTURED REFUGE PRODUCTS SAVE

Convenience of single bag refuge products are available from Burrus/Hughes for above ground insect control as well as above and below ground insect control for 2015 planting. If you want more genetic diversification and a wider product selection, do not hesitate to plant some excellent products that need a structured refuge, too. This method will bring maximum performance and some seed cost savings, too.

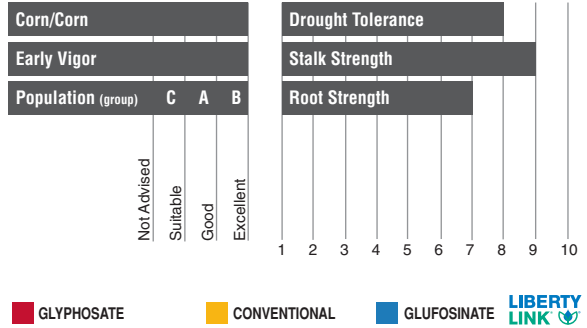
6T54 3000GT
Brand



113 Day Maturity



- Great early planting choice because of excellent emergence ratings
- Use soil insecticide or add Poncho[®] 1250 VOTIVO[®] for second mode of rootworm control
- Excellent silage option north
- Avoid wet feet



It will fool you with more corn than it looks.

General Characteristics

Plant height: 8
Ear height: 6
Ear type: Intermediate

Planting Information

Population

Speed of emergence: 8	31 – 37
High organic soils: 10	27 – 33
Timber soils: 8	27 – 33
Clay & varied soils: 8	23 – 29
Sand (dryland): 7	31 – 37
Sand (irrigated): 9	
Wet soils: 6	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 8
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

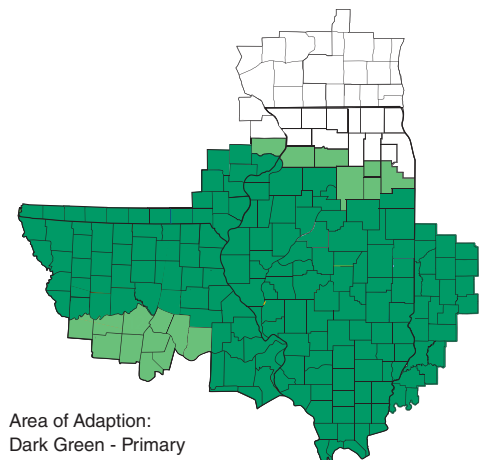
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1470
GDD to 30%: 2900
Ear retention: 8
High tonnage silage: 9
Harvest residue: 9

Refuge

20% structured refuge
Burrus[®] 6T51 GT
Burrus[®] 5Z41 GT



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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*Grain premium potential



6F74AMX™*
Brand

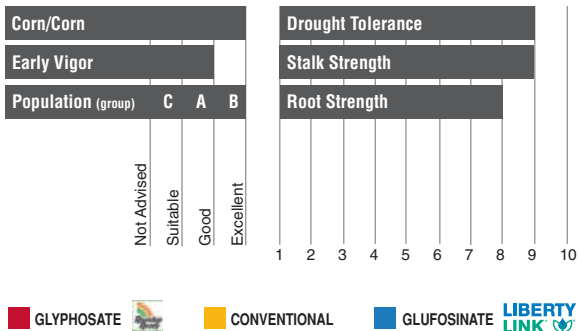


POWER PLUS®

113 Day Maturity



- No refuge needed
- Good drought tolerance as it prefers well drained soils
- Very good leaf disease and ear rot tolerances



Plant it with confidence.

General Characteristics

Plant height: 7
Ear height: 7
Ear type: Intermediate

Planting Information Population

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

31 – 37
27 – 33
27 – 33
23 – 29
31 – 37

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 7
Anthracnose tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

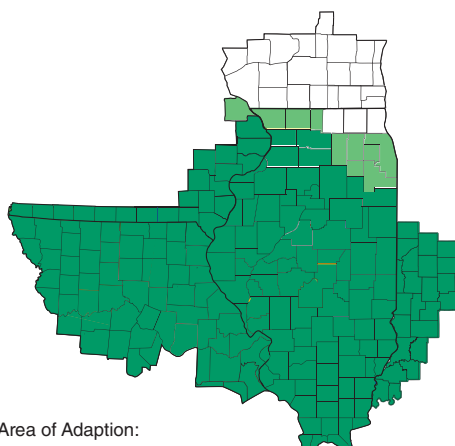
Nematode protection: Yes

Harvest Information

Grain quality: 8*
Test weight: 8
GDD to silk: 1360
GDD to 30%: 2800
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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Liberty® and LibertyLink® are registered trademarks of Bayer.

*Grain premium potential

**ABOVE /
BELOW-GROUND
INSECT CONTROL**



CROP OPTIMIZATION PLANNER GAINS 12.5 BU/A

To compare how well the Crop Optimization Planner powered by MyFarms™ is doing, we used the Burrus Show plot, located at Arenzville, IL. The COP selected four products for each of 4 categories.

1. Products with corn rootworm protection with an integrated refuge.
2. Products with corn rootworm protection with a structured refuge.
3. Products with corn borer protection.
4. Non-GM products.

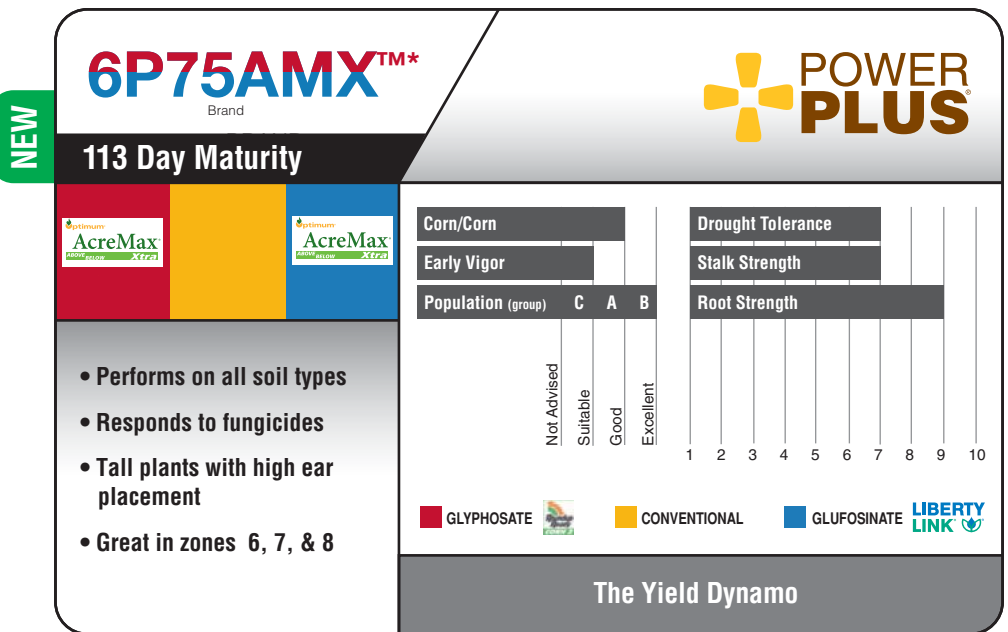
They were compared to the average of all products offered by Burrus within each category. The results were phenomenal. The COP-recommended products were 12.6 bu/a, 12.9 bu/a, 16.2 bu/a, and 8.2 bu/a above the average, respectively. That means overall the COP recommended products produced an extra \$50 per acre. That is an additional \$125 per unit value!



ABOVE /
BELOW-GROUND
INSECT CONTROL

GIVING BACK TO THE LOCAL COMMUNITY

Over 600 high school and college students help Burrus and Hughes pull tassels. "We could hire contractors cheaper, but feel it is a way to give back to our communities in teaching young people how to work and the value of a dollar." Todd Burrus



General Characteristics

Plant height: 8
Ear height: 8
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7	
High organic soils: 10	31 – 37
Timber soils: 7	27 – 33
Clay & varied soils: 7	27 – 33
Sand (dryland): 6	23 – 29
Sand (irrigated): 10	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 7
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 7

Protection

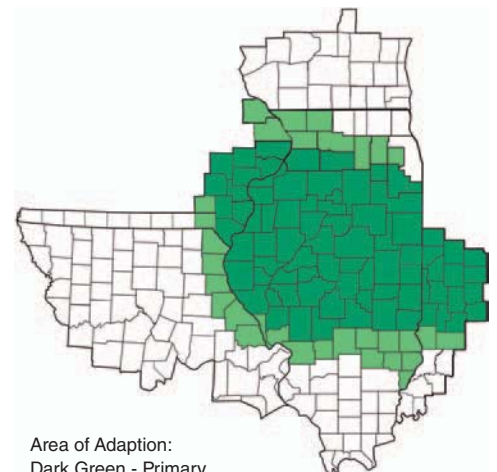
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1400
GDD to 30%: 2750
Ear retention: 7
High tonnage silage: 10
Harvest residue: 8

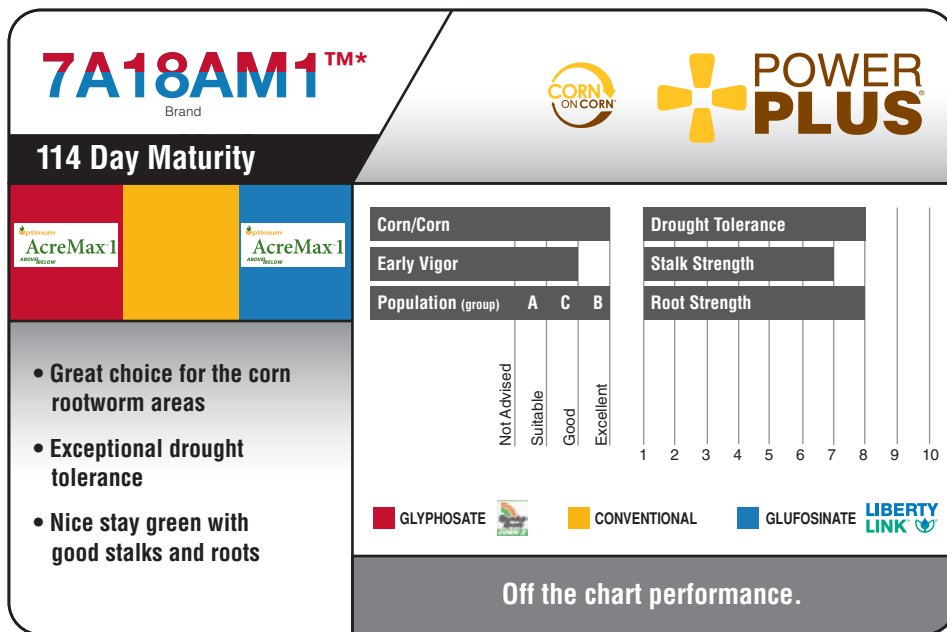
Refuge

Integrated refuge



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General Characteristics

Plant height: 8
Ear height: 8
Ear type: Intermediate

Planting Information Population

Speed of emergence: 8	
High organic soils: 10	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 9	23 – 29
Sand (irrigated): 10	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 6
Anthracnose tolerance: 5
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 8
Goss's wilt: NR
Plant growth regulator sensitivity: 6
Greensnap tolerance: 7

Protection

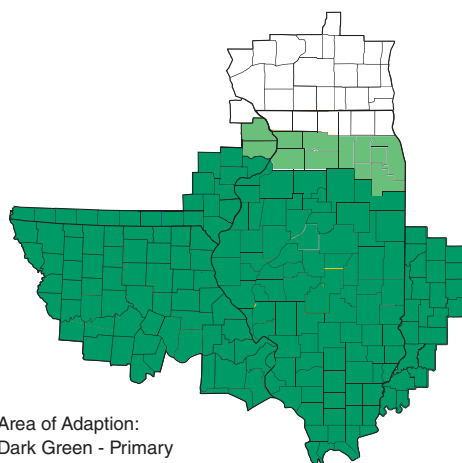
Nematode protection: Yes

Harvest Information

Grain quality: 9*
Test weight: 8
GDD to silk: 1450
GDD to 30%: 2900
Ear retention: 9
High tonnage silage: 10
Harvest residue: 10

Refuge

20% structured refuge
Power Plus® 6F71 RTM*
Burrus® 5Z41 GT



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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Liberty® and LibertyLink® are registered trademarks of Bayer.

*Grain premium potential

ABOVE /
BELOW-GROUND
INSECT CONTROL



NEW EVOLUTION OPTICAL COLOR SORTERS AT BURRUS!

Both the human eye and the Evolution detect color through 3 wavelengths, red, green and blue, allowing the sorter to match the eye's ability to see true color. High resolution cameras identify small color deviations and then the machine rejects those kernels. The ultimate in achieving the highest quality possible. "We are dedicated to installing the newest technology to provide the highest quality possible for our customers." says Kevin Burrus.





ABOVE /
BELOW-GROUND
INSECT CONTROL

ADD FORCE® INSECTICIDE TO AGRISURE ROOTWORM TRAIT AND ADD YIELD!

Force® insecticide on RW trait strip trial results
Syngenta, 2007-2013 (various RW traits utilized)

Force on Trait Trials – NE, IL, MN, IA, OH, WI, IN, MI (326 trials)



18.42 Bushel Average Increase
70% of the trials = Economic return at \$5/bu corn



7893 3111
Brand

115 Day Maturity



- Great choice for sand irrigated acres
- Harness the top end yield potential
- Best performance at lower plant density

Catalyst

Corn/Corn

Early Vigor

Population (group)

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

**LIBERTY
LINK**

The Banker's corn, plant it along the road.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Flex

Planting Information

Population

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

28 – 34
26 – 32
26 – 32
21 – 27
28 – 34

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 7
Anthracnose tolerance: 7
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: NR
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

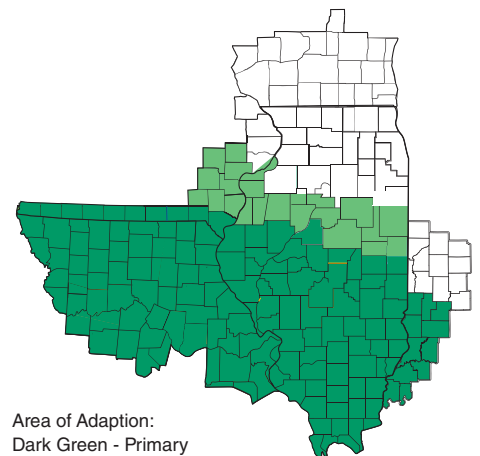
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 8
GDD to silk: 1500
GDD to 30%: 2900
Ear retention: 9
High tonnage silage: 10
Harvest residue: 10

Refuge

20% structured refuge
Burrus® 6T51 GT
Burrus® 5Z41 GT



Area of Adaption:

Dark Green - Primary

Light Green - Secondary

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2N82AM™
Brand

POWER PLUS

105 Day Maturity

AcreMax

AcreMax

AQUAmax

AQUAmax

- No additional (or separate) refuge required
- Optimum® AQUAmax® hybrid with great drought tolerance
- The ideal early season product for light soils

Corn/Corn

Early Vigor

Population (group)

C B A

Not Advised
Suitable
Good
Excellent

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE

LIBERTY LINK

Drought Tolerance

AQUAmax®

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

The ideal early product for light soils.

ABOVE-GROUND
INSECT CONTROL



**AGRONOMY U IS THE
NEWEST EASY-TO-USE
INFORMATION SOURCE
AVAILABLE FROM
BURRUS/HUGHES.**

The latest topics discussed on a YouTube video. No reading necessary, just sit back and listen to Dr. Matt Montgomery explain what is happening in your world. Open www.burruseed.com and click on the Agronomy U icon. It is updated regularly. Register so when updates are posted, you won't miss an issue that might save you or make you more profitable.

General Characteristics

Plant height: 5
Ear height: 5
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7
High organic soils: 7 34 – 40
Timber soils: 9 31 – 37
Clay & varied soils: 9 31 – 37
Sand (dryland): 9 26 – 32
Sand (irrigated): 6 34 – 40
Wet soils: 8

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 6
Anthracnose tolerance: 5
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 9
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes
Water use efficiency trait:

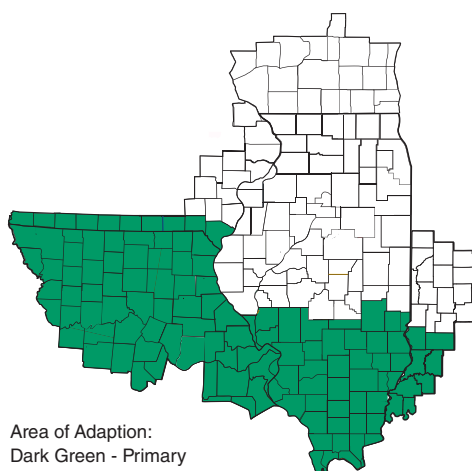
Optimum
AQUAmax

Harvest Information

Grain quality: 9
Test weight: 8
GDD to silk: 1310
GDD to 30%: 2680
Ear retention: 9
High tonnage silage: 5
Harvest residue: NR

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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BURRUS
AGRONOMY



GENERAL RATINGS SCALE: 10 = outstanding • 5 = average • 1 = poor



**ABOVE-GROUND
INSECT CONTROL**

**GOT A CROP GROWING
QUESTION? CALL MATT
AND STEPHANIE.**

1-877-4BURRUS.



Matt Montgomery



Stephanie Porter

4V45AM™*
Brand

NEW

108 Day Maturity



- Well suited for clay, timber and varied soils
- Heavy test weight
- A strong disease package
- Slightly taller plant with higher ear placement.
- Same family as Power Plus® 4V43™*

**POWER
PLUS**

Corn/Corn

Early Vigor

Population (group)

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE

LIBERTY
LINK

The ideal product for Southern IL and MO.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information

Population

Speed of emergence: 8	
High organic soils: 10	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 8
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: 7
Greensnap tolerance: 5

Protection

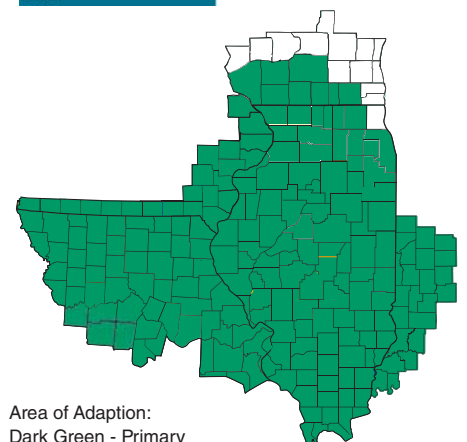
Nematode protection: Yes

Harvest Information

Grain quality: 8
Test weight: 8
GDD to silk: 1340
GDD to 30%: 2800
Ear retention: 9
High tonnage silage: 7
Harvest residue: 7

Refuge Choices

Integrated refuge



Area of Adaption:

Dark Green - Primary

Light Green - Secondary

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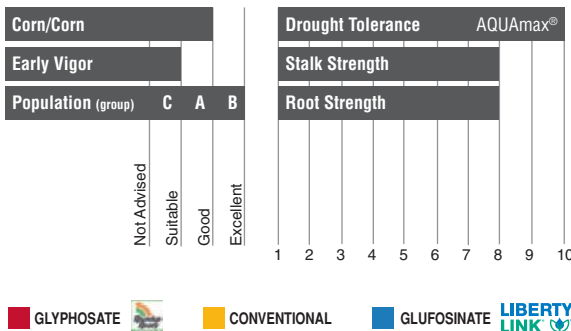
4J93AM™*
Brand

POWER PLUS

109 Day Maturity



- Short, low ear with excellent ear retention
- Will work across geography and soil types
- Optimum® AQUAmax® hybrid with great drought tolerance
- No refuge needed



Setting a new performance standard.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information Population

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

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 6
Anthracnose tolerance: NR
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 5
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes
Water use efficiency trait:

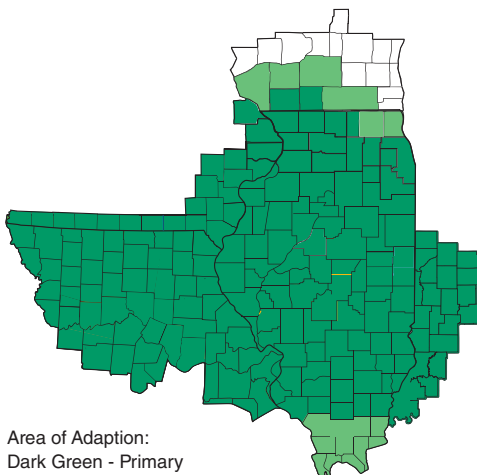
AQUAmax

Harvest Information

Grain quality: 8
Test weight: 7
GDD to silk: 1340
GDD to 30%: 2750
Ear retention: 9
High tonnage silage: 5
Harvest residue: NR

Refuge Choices

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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**ABOVE-GROUND
INSECT CONTROL**



**POWERSHIELD®
JUST GOT
BETTER AGAIN!**

We have Poncho 500 VOTIVO® as the standard treatment at Burrus/Hughes! The High rate Poncho 1250 with VOTIVO is available on several products too. The VOTIVO specifically protects the corn roots from nematode injury by a unique root protection system. Poncho 500 is more effective on controlling black cutworm, wireworms, and white grub, as well as it adds yield.

PowerShield®



ABOVE-GROUND INSECT CONTROL

TRUST

Trust is the most important attribute you should expect from your seed supplier. Trust is something you never have to question when you work with Burrus and Hughes.



Todd Burrus

6C41 S™*
Brand

112 Day Maturity



- Taller plant type with excellent stalks
- Designed for Southern Illinois and Missouri
- Heavy test weight grain

**POWER
PLUS**

Corn/Corn

Early Vigor

Population (group)

Drought Tolerance

Stalk Strength

Root Strength

Not Advised

Suitable

Good

Excellent

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE



CONVENTIONAL



GLUFOSINATE **LIBERTY
LINK**

Hard endo premium candidate.

General Characteristics

Plant height: 9
Ear height: 8
Ear type: Flex

Planting Information

Population

Speed of emergence: 9	
High organic soils: 9	28 – 34
Timber soils: 9	26 – 32
Clay & varied soils: 8	26 – 32
Sand (dryland): 8	21 – 27
Sand (irrigated): 9	28 – 34
Wet soils: 8	

Harvest Information

Grain quality: 10*
Test weight: 10
GDD to silk: 1460
GDD to 30%: 2850
Ear retention: 8
High tonnage silage: 8
Harvest residue: 7

Refuge

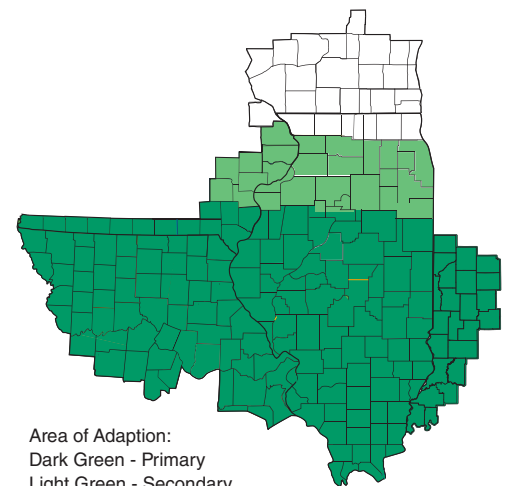
20% structured refuge
Power Plus® 6F71 R™*
Burrus® 5Z41 GT

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 7
Anthracnose tolerance: NR
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: NR
Goss's wilt: 8
Plant growth regulator sensitivity: 6
Greensnap tolerance: 7

Protection

Nematode protection: Yes



Area of Adaption:

Dark Green - Primary

Light Green - Secondary

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*Grain premium potential



STALK US! Toll Free 877-4-BURRUS • burrusseed.com

6N83AM™*
Brand

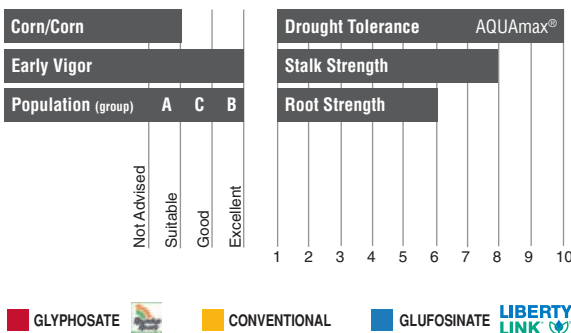
POWER PLUS

NEW

113 Day Maturity



- Girthy big ears
- Strong stalks with reduced risk of greensnap
- Short plant with a low ear
- Responds to fungicides



For tough soils – Optimum® AQUAmax® rated.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Intermediate

Planting Information Population

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

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 8
Anthracnose tolerance: 6
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 5
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 7

Protection

Nematode protection: Yes
Water use efficiency trait:

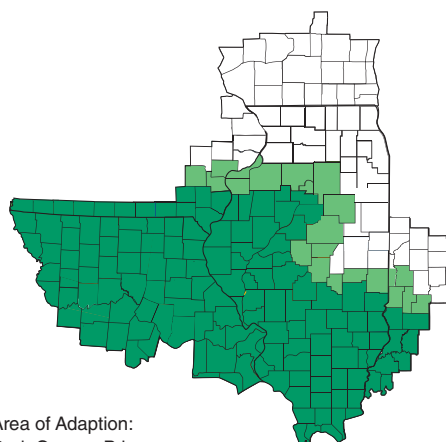


Harvest Information

Grain quality: 6
Test weight: 6
GDD to silk: 1450
GDD to 30%: 2740
Ear retention: 8
High tonnage silage: 6
Harvest residue: 7

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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*Grain premium potential

ABOVE-GROUND
INSECT CONTROL



HEAR IT DIRECT

Todd Burrus enjoys speaking to growers about quality, performance and value. His nearly 4 decades of seed production experience adds value to his recommendations of getting the most out of the MyFarmsSM Crop Optimization Plan (COP) and variable rate planting technology. His cell number is in this Product Guide, can you call Mr. Dekalb on his cell?





**ABOVE-GROUND
INSECT CONTROL**

AGRISURE® ARTESIAN™ CORN HYBRIDS CONVERT WATER INTO GRAIN MORE EFFECTIVELY.

- Managed stress environments are integral in the development of these hybrids.
- Multi-year yield results further substantiate the efficacy of the Artesian™ corn hybrids
- These hybrids contain scientifically selected genes that provide multiple modes of action for season-long drought protection.
- Artesian™ corn hybrids have consistently matched or exceeded the yield of comparable hybrids in optimal growing conditions.
- Under drought stress Artesian™ hybrids have outperformed the average of the plot by nearly 14% over the past 4 years.
- In extreme drought stress Artesian™ corn hybrids produced 40% higher yields compared to the plot average.



7H23 S™
Brand

114 Day Maturity

- Great drought tolerance allows for wide adaptability
- Excellent ear retention helps extend the harvest window
- Silks early for maturity

Corn/Corn			
Early Vigor			
Population (group)	A	C	B
Not Advised			
Suitable			
Good			
Excellent			

GLYPHOSATE
 CONVENTIONAL
 GLUFOSINATE

Drought Tolerance

Stalk Strength									
Root Strength									
1	2	3	4	5	6	7	8	9	10

Might have the most raw yield of any product.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7	
High organic soils: 10	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 6
Anthracnose tolerance: 6
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

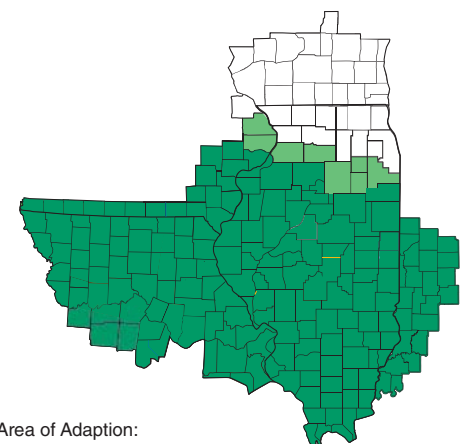
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1330
GDD to 30%: 2850
Ear retention: 9
High tonnage silage: 8
Harvest residue: 8

Refuge

20% structured refuge
Burrus® 6T51 GT
Burrus® 5Z41 GT



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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7U15AM-R™*

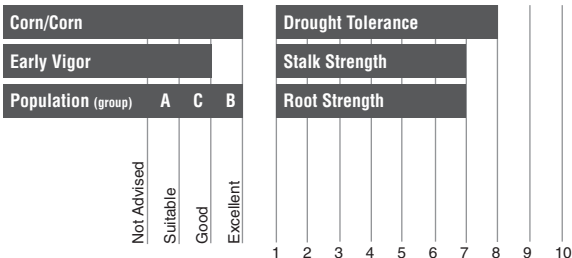
Brand



114 Day Maturity



- Excellent agronomic characteristics
- Good drought tolerance
- Growers will appreciate this high yield potential
- Do not spray with Liberty®



GLYPHOSATE CONVENTIONAL GLUFOSINATE LIBERTY LINK

Off the chart performance.

General Characteristics

Plant height: 8
Ear height: 8
Ear type: Intermediate

Planting Information Population

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

31 – 37
27 – 33
27 – 33
23 – 29
31 – 37

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 6
Anthracnose tolerance: 5
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 8
Goss's wilt: NR
Plant growth regulator sensitivity: 6
Greensnap tolerance: 7

Protection

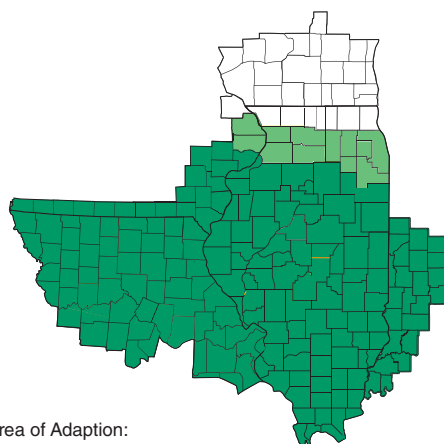
Nematode protection: Yes

Harvest Information

Grain quality: 9*
Test weight: 8
GDD to silk: 1450
GDD to 30%: 2900
Ear retention: 9
High tonnage silage: 10
Harvest residue: 10

Refuge

Integrated refuge



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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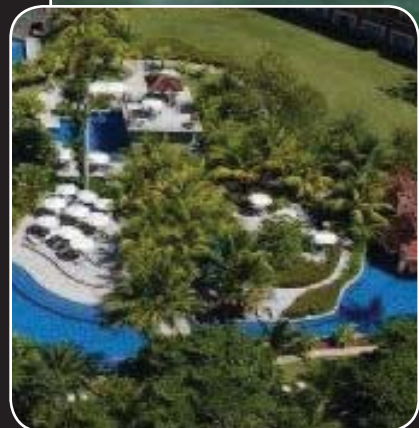
*Grain premium potential

ABOVE-GROUND
INSECT CONTROL



COSTA RICA CALLING!

Join us in Costa Rica at the Los Suenos Beach and Golf resort by Marriott January 22-27, 2015. First come first served basis, with a final signup deadline of October 10. Call your Account Manager for details.





**GLYPHOSATE-
RESISTANT**



HANDCRAFTED BY HUGHES

The Hughes brand is one component of our rich Burrus family of brands. We pride ourselves on offering choice to our customers. Choice of genetics, trait and style is important to best serving growers' needs.

Hughes is not only a brand, but the northern market area production, shipping and service hub for our alliance. Like Burrus, the Hughes family has a long history of seed expertise and is actively involved in all aspects of the business.

The "Handcrafted by Hughes" mark shows up when we are highlighting the special differences that make Hughes different than national brands. The Hughes operation is very compatible with Burrus in that they place maximum emphasis on producing the highest quality of seed possible. Think of our operation as producing custom-grade products. We are able to achieve this level of excellence by focusing less on quantity than on the small details.

The next time you see the handcrafted logo, we hope it reminds you of the special care we give to all of your seed needs.

2428 GTA

Brand



100 Day Maturity



- Excellent performance across soil types
- Very good agronomics in early season product

Corn/Corn

Early Vigor

Population (group)

C B A

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Artesian®

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

Early and tough.

General Characteristics

Plant height: 7
Ear height: 7
Ear type: Flex

Planting Information

Population

Speed of emergence: 8	
High organic soils: 9	34 – 40
Timber soils: 9	31 – 37
Clay & varied soils: 9	31 – 37
Sand (dryland): 8	26 – 32
Sand (irrigated): 9	34 – 40
Wet soils: 8	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 6
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes
Water use efficiency trait:

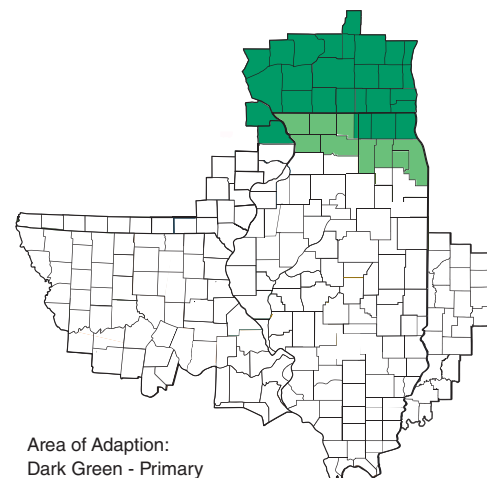


Harvest Information

Grain quality: 7
Test weight: 6
GDD to silk: 1250
GDD to 30%: 2400
Ear retention: 8
High tonnage silage: 8
Harvest residue: 8

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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1B44 R™*

Brand

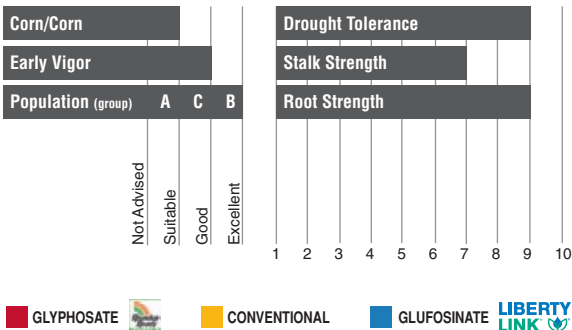
POWER PLUS

NEW

102 Day Maturity



- Short plant with flex ear
- Excellent stress tolerance
- Goes south well as an early corn
- Consider fungicide application for NCLB control



GLYPHOSATE CONVENTIONAL GLUFOSINATE LIBERTY LINK

A very complete package.

General Characteristics

Plant height: 5
Ear height: 5
Ear type: Intermediate

Planting Information Population

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

Agonomic Package

Fall appearance: 7
No. leaf blight tolerance: 5
Anthracnose tolerance: NR
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 7
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

Nematode protection: Yes

Harvest Information

Grain quality: 5
Test weight: 5
GDD to silk: 1270
GDD to 30%: 2420
Ear retention: 8
High tonnage silage: 6
Harvest residue: 6

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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GLYPHOSATE-RESISTANT



SUPER SERVICE

The Hughes facility is northwest of Chicago in McHenry County near the Wisconsin line. They supply product, testing and service from their plant for customers in the northern Illinois and Wisconsin area.





**GLYPHOSATE-
RESISTANT**

GROWING CORN CONTINUOUSLY?

We proudly display the corn on corn logo as Burrus has conducted research in corn after corn locations for nearly 40 years. The Show plot was last planted to soybeans in 1970. If you are considering a continuous corn program, talk to your Burrus or Hughes Account Manager. They will gladly help you be successful growing corn on corn.



5124 GT

Brand

107 Day Maturity

- Nice roots to anchor the plant
- Gain incremental yield improvement
- Very good ear-flex supports medium populations

Corn/Corn			
Early Vigor			
Population (group)	A	C	B
Not Advised			
Suitable			
Good			
Excellent			

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

Drought Tolerance	
Stalk Strength	
Root Strength	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Fits all operations.

General Characteristics

Plant height: 8
Ear height: 7
Ear type: Flex

Planting Information

Planting Information	Population
Speed of emergence: 9	
High organic soils: 10	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 6
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 6
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 6

Protection

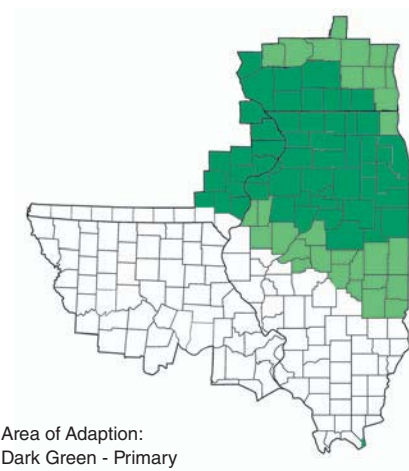
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1350
GDD to 30%: 2700
Ear retention: 7
High tonnage silage: 10
Harvest residue: 9

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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4P11 R^{TM*}
Brand



108S / 105N Day Maturity



- Consistently high yields
- A very complete package
- Performance merits use beyond just refuge

Corn/Corn

Early Vigor

Population (group)

C A B

Not Advised
Suitable
Good
Excellent

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10



CONVENTIONAL

GLUFOSINATE



Expand the meaning of yield.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information Population

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

Agronomic Package

Fall appearance: 6
No. leaf blight tolerance: 6
Anthracnose tolerance: 4
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 6
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 5

Protection

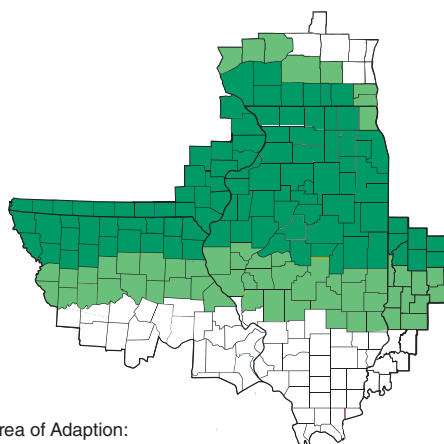
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 8
GDD to silk: 1360
GDD to 30%: 2750
Ear retention: 8
High tonnage silage: 6
Harvest residue: 5

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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**GLYPHOSATE-
RESISTANT**



IMPROVED POLLINATION

Burrus routinely uses a helicopter to stir the pollen during the peak days. Kevin Burrus said, "If we set one more kernel on an ear, it pays for the helicopter bill and we produce more seed for our customers."





**GLYPHOSATE-
RESISTANT**

ALFALFA AT ITS BEST!

Hybrid alfalfa yields more. This technology is the most aggressive high forage yielding, high quality features. The fine stem characteristic makes a dense attractive alfalfa bale. Try some you will be glad you did.



5Z41 GT

Brand

111 Day Maturity

AgrisureGT

- **Excellent in corn-on-corn situations**
- **Big ears with deep kernels to make you proud**
- **Prefers medium plant population densities**
- **Keep it on your better soils**



**Think
BURRUS®**

Corn/Corn

Early Vigor

Population (group)

Not Advised
Suitable
Good
Excellent

GLYPHOSATE

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

CONVENTIONAL

GLUFOSINATE

Long spiky kernels on a girthy ear spells yield.

General Characteristics

Plant height: 6
Ear height: 5
Ear type: Intermediate

Planting Information Population

Speed of emergence: 9	
High organic soils: 9	28 – 34
Timber soils: 9	26 – 32
Clay & varied soils: 9	26 – 32
Sand (dryland): 8	21 – 27
Sand (irrigated): 9	28 – 34
Wet soils: 8	

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 8
Anthracnose tolerance: NR
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 6
Plant growth regulator sensitivity: NR
Greensnap tolerance: 7

Protection

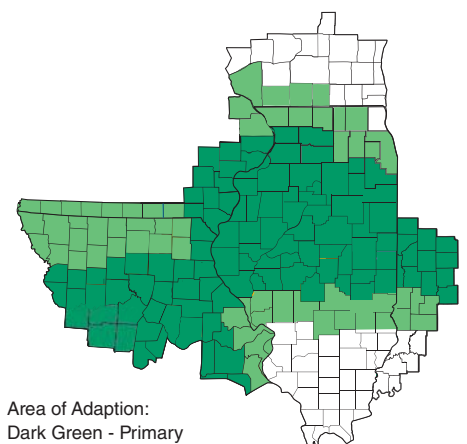
Nematode protection: Yes

Harvest Information

Grain quality: 8
Test weight: 7
GDD to silk: 1400
GDD to 30%: 2800
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

Refuge

None needed



Area of Adaption:

Dark Green - Primary

Light Green - Secondary

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6T51 GT

Brand

NEW

113 Day Maturity

AgrisureGT

- Very high top end yield potential
- Gritty ear with deep kernels
- Great on irrigated sand
- Fits well across soils and environments
- Same family as Burrus 6T54 3000GT



Corn/Corn

Early Vigor

Population (group)

C

A

B

Not Advised

Suitable

Good

Excellent

GLYPHOSATE

CONVENTIONAL

GLUFOSINATE

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

New, high performance, proven refuge product.

GLYPHOSATE-
RESISTANT



STRUCTURED REFUGE CAN MAKE YOU MORE MONEY!

Using the Burrus show plot from 2013 as an example, structured refuge products averaged 12 bushels more than the integrated refuge products. This data bears out what we have been encouraging growers to consider when placing their orders for 2015. We all like convenience, but our job is to help you maximize your yield and profit too. Our recommendation is to consider planting some of both the structured and integrated refuge products to maximize convenience and performance.

General Characteristics

Plant height: 8
Ear height: 6
Ear type: Intermediate

Planting Information Population

Speed of emergence: 8	
High organic soils: 10	31 – 37
Timber soils: 8	27 – 33
Clay & varied soils: 8	27 – 33
Sand (dryland): 7	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 6	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 8
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

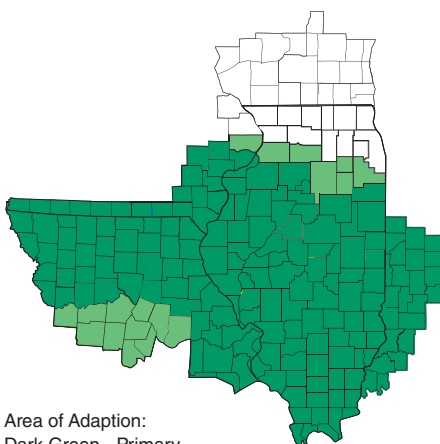
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1470
GDD to 30%: 2900
Ear retention: 8
High tonnage silage: 9
Harvest residue: 9

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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AgrisureArtesian
3011A

GENERAL RATINGS SCALE: 10 = outstanding • 5 = average • 1 = poor



**GLYPHOSATE-
RESISTANT**

BAYER HAS A NEW PLANTER LUBRICANT

For the second year, Burrus has tested the new Bayer Fluency lubricant in several planters on both corn and soybeans. This is a very low use rate, only needing an 1/8th of a cup per unit of seed regardless of the planter type. It reduces dust-off which protect the bee population particularly with air type planters. Growers who have applied it at the recommended rates and stirred it into the seed were very pleased with this new lubricant.



This is what Gayle Casner's hand looked like after she stirred in graphite. The fluency lubricant is not as messy.

6F71 R™*

Brand

113 Day Maturity

Corn/Corn			
Early Vigor			
Population (group)	C	A	B
Not Advised			
Suitable			
Good			
Excellent			

■ GLYPHOSATE

■ CONVENTIONAL

■ GLUFOSINATE

Drought Tolerance	
Stalk Strength	
Root Strength	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Plant it with confidence.

General Characteristics

Plant height: 7
Ear height: 7
Ear type: Intermediate

Planting Information Population

Speed of emergence: 8	
High organic soils: 8	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 9	23 – 29
Sand (irrigated): 7	31 – 37
Wet soils: 7	

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 7
Anthracnose tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

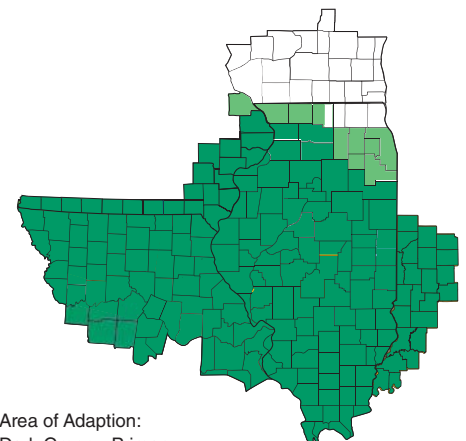
Nematode protection: Yes

Harvest Information

Grain quality: 8
Test weight: 8
GDD to silk: 1360
GDD to 30%: 2800
Ear retention: 9
High tonnage silage: 9
Harvest residue: 9

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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2T35™
Brand

NEW

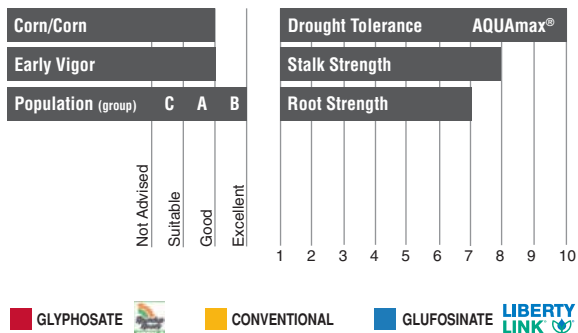
104 Day Maturity**2T35**™

AQUAmax

- A very well rounded package
- Features the Optimum® AQUAmax® water efficiency trait
- Very good stalks
- Heavy test weight grain

POWER PLUS

NON-GMO



Great in tough conditions.

General Characteristics

Plant height: 6
 Ear height: 5
 Ear type: Intermediate

Planting Information Population

Speed of emergence: 7
 High organic soils: 8 31 – 37
 Timber soils: 9 27 – 33
 Clay & varied soils: 9 27 – 33
 Sand (dryland): 9 23 – 29
 Sand (irrigated): 9 31 – 37
 Wet soils: 8

Agronomic Package

Fall appearance: 7
 No. leaf blight tolerance: 7
 Anthracnose tolerance: NR
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: NR
 Goss's wilt: 8
 Plant growth regulator sensitivity: NR
 Greensnap tolerance: 7

Protection

Nematode protection: Yes
 Water use efficiency trait:

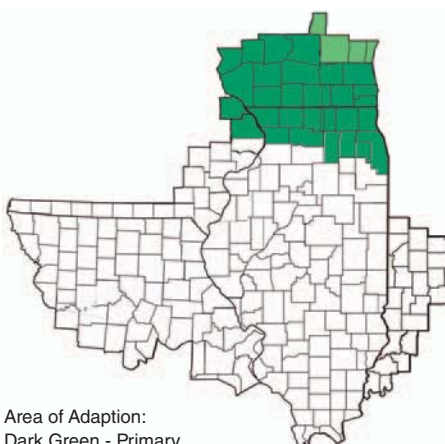
Optimum
AQUAmax

Harvest Information

Grain quality: 8
 Test weight: 8
 GDD to silk: 1310
 GDD to 30%: 2450
 Ear retention: 7
 High tonnage silage: 8
 Harvest residue: 7

Refuge

None needed



Area of Adaption:
 Dark Green - Primary
 Light Green - Secondary

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BURRUSSEED.COM

is the place to catch up on the latest news as to what is happening on the farm and around Burrus. Read the blog, see us on Facebook as well as Twitter #burrusseed.



NON-GMO

HILLS, DIPS, AND FLAT OUT BLACK

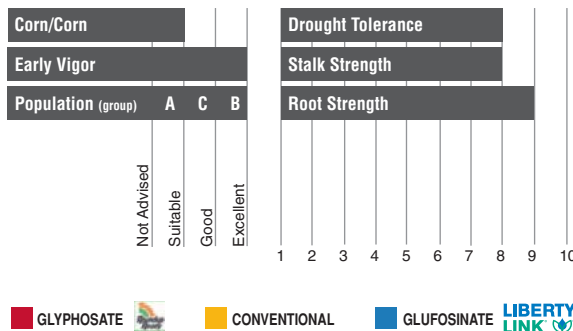
Increased effort in product identification and fitting. Working together, Burrus and Hughes are conducting over 40,000 tests to identify the best in genetics, traits, grain profile and agronomic strengths. We have potential access to more germplasm than many national brands. Our “stress soil” focus has 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.

3442
Brand

102 Day Maturity

3442

- Good health package
- Not recommended for drought-prone soil
- Very good stalk and roots
- Medium plant size adds stability



High yield with non-GM freedom.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Fixed

Planting Information Population

Speed of emergence: 8	31 – 37
High organic soils: 9	27 – 33
Timber soils: 9	27 – 33
Clay & varied soils: 8	23 – 29
Sand (dryland): 7	31 – 37
Sand (irrigated): 9	
Wet soils: 9	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 8
Anthracnose tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 7
Plant growth regulator sensitivity: 5
Greensnap tolerance: 7

Protection

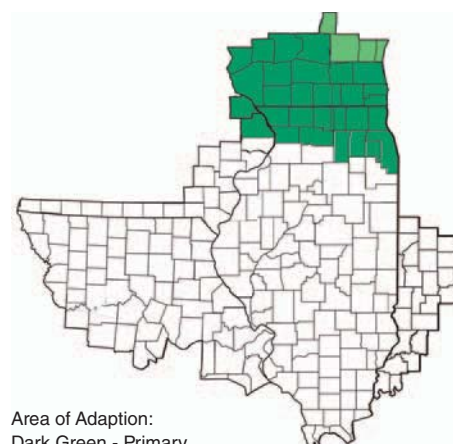
Nematode protection: Yes

Harvest Information

Grain quality: 7*
Test weight: 8
GDD to silk: 1220
GDD to 30%: 2400
Ear retention: 9
High tonnage silage: 7
Harvest residue: 7

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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*Grain premium potential

5D30

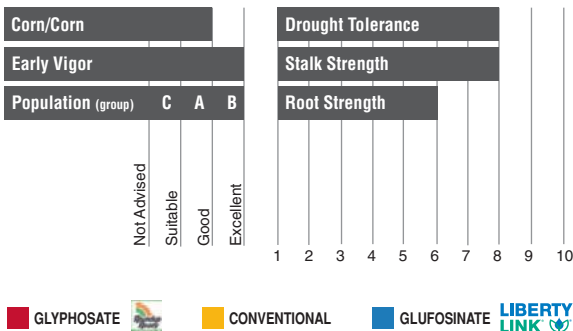
Brand



110 Day Maturity

5D30

- Excels in corn-on-corn management
- Sets big, girthy ears
- Excellent roots



A great new conventional.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7	
High organic soils: 9	31 – 37
Timber soils: 8	27 – 33
Clay & varied soils: 8	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: NR
Anthracnose tolerance: NR
Gray leaf spot tolerance: NR
Diplodia ear rot tolerance: NR
Goss's wilt: NR
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

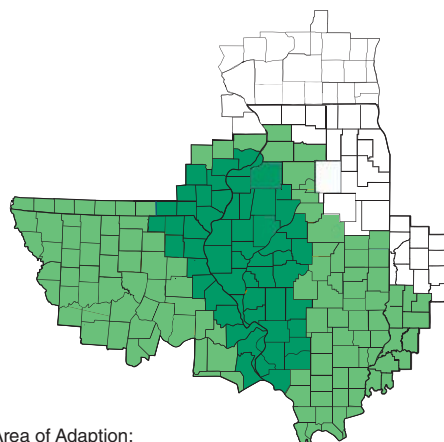
Nematode protection: Yes

Harvest Information

Grain quality: 9*
Test weight: 9
GDD to silk: 1400
GDD to 30%: 2850
Ear retention: 8
High tonnage silage: 7
Harvest residue: 8

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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*Grain premium potential

NON-GMO



NEW NON-GM CORN PRODUCTS!

We are still committed to introducing new and better conventional corn products. One of the corn rootworm resistant management strategies calls for a rotation including non-GM seed with granular insecticide. Many of the trait suppliers have either discontinued or handicapped their non-GM offerings to make their high-dollar products look better. We don't need to do that. We have a complete lineup of hard endosperm conventional products. Our Burrus Xtra seed treatment with Poncho 500 VOTIVO® provides protection from black cutworm and wire worm, which is very important when growing conventional products. Step up by using a combination of products utilizing grain premium opportunities, conventional products and technology.





NON-GMO

WE ARE FARMERS TOO.

Since 1935 we have been independent, farm family owned seed company that focuses on meeting the needs and profitability of growers across our marketing footprint. At Burrus and Hughes we continue to pull on our work boots, walk fields, and listen to growers to ensure they are receiving the utmost in performance when they plant our seed.



5N48™*

Brand

110S / 108N Day Maturity

Corn/Corn		Drought Tolerance	
Early Vigor		Stalk Strength	
Population (group)		Root Strength	
A	Good	8	
C	Excellent	9	
B	Not Advised	10	

- Good stalks
- Excels under higher management practices like fungicide applications
- Avoid corn after corn and dryland sand

■ GLYPHOSATE
 ■ CONVENTIONAL
 ■ GLUFOSINATE

Super yield potential, fast drying.

General Characteristics

Plant height: 6
Ear height: 6
Ear type: Intermediate

Planting Information

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

Population

31 – 37
27 – 33
27 – 33
23 – 29
31 – 37

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 7
Anthracnose tolerance: 5
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 7
Goss's wilt: NR
Plant growth regulator sensitivity: 8
Greensnap tolerance: 7

Protection

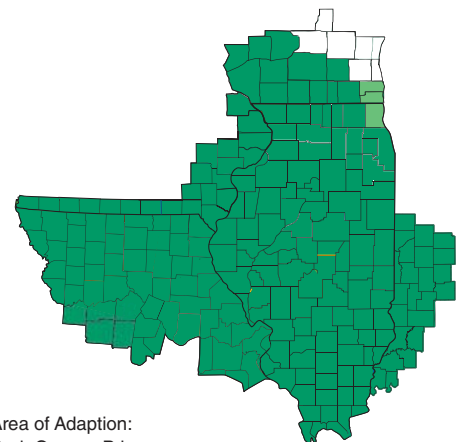
Nematode protection: Yes

Harvest Information

Grain quality: 9*
Test weight: 8
GDD to silk: 1360
GDD to 30%: 2700
Ear retention: 8
High tonnage silage: 8
Harvest residue: 9

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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*Grain premium potential



6C40™*

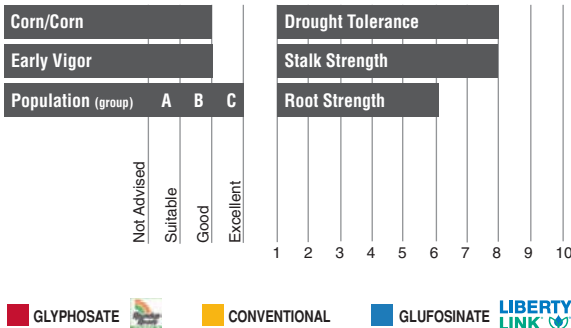
Brand



112 Day Maturity

6C40™*

- Marked by its high end yield response and consistency
- Taller plant type with excellent stalks
- Heavy test weight grain is the foundation
- Does not respond to higher density



Hard endo premium candidate.

General Characteristics

Plant height: 7
Ear height: 7
Ear type: Flex

Planting Information Population

Speed of emergence: 9	
High organic soils: 9	28 – 34
Timber soils: 9	26 – 32
Clay & varied soils: 8	26 – 32
Sand (dryland): 8	21 – 27
Sand (irrigated): 9	28 – 34
Wet soils: 8	

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 7
Anthracnose tolerance: NR
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: NR
Goss's wilt: 8
Plant growth regulator sensitivity: 6
Greensnap tolerance: 7

Protection

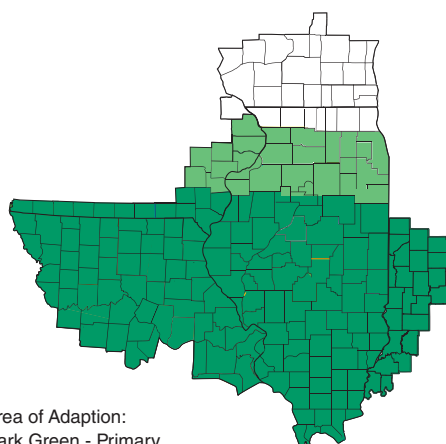
Nematode protection: Yes

Harvest Information

Grain quality: 10*
Test weight: 10
GDD to silk: 1460
GDD to 30%: 2850
Ear retention: 8
High tonnage silage: 8
Harvest residue: 7

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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*Grain premium potential

NON-GMO



Remember walking beans? Rotate herbicide programs or you may have to learn.

You probably walked beans to clean up weed escapes from herbicides. Respect the rotation of chemical families by planting Hoblit Liberty Link® resistant soybeans or you might be back walking beans like you did in the 80s. But walking beans this time will be to clean up glyphosate-resistant weeds posing a serious threat to a system we have enjoyed for 15 years. These weeds have been documented in numerous locations. Hoeing crews can cost from \$75 to \$100 per acre.

Don't wait till it's too late—you don't want to go back to walking beans!



NON-GMO

IRRIGATED SEED PRODUCTION

At Burrus/Hughes we have reduced our exposure to drought with 80% of our seed corn production under irrigation. We have irrigated all of our family owned land that is practical. We are committed to bringing you a supply of high yielding products.



6G64

Brand

113 Day Maturity

6G64™*

- Excellent stalks and roots
- Good drought tolerance
- Good greensnap tolerance



Corn/Corn

Early Vigor

Population (group)

C

A

B

Not Advised

Suitable

Good

Excellent

Drought Tolerance

Stalk Strength

Root Strength

1 2 3 4 5 6 7 8 9 10

GLYPHOSATE



CONVENTIONAL

GLUFOSINATE

LIBERTY LINK

Super high yielding non-GM.

General Characteristics

Plant height: 6
Ear height: 5
Ear type: Intermediate

Planting Information

Population

Speed of emergence: 8	31 – 37
High organic soils: 10	27 – 33
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 8	31 – 37
Wet soils: 9	

Agronomic Package

Fall appearance: 9
No. leaf blight tolerance: 7
Anthracnose tolerance: NR
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 7
Plant growth regulator sensitivity: 6
Greensnap tolerance: 8

Protection

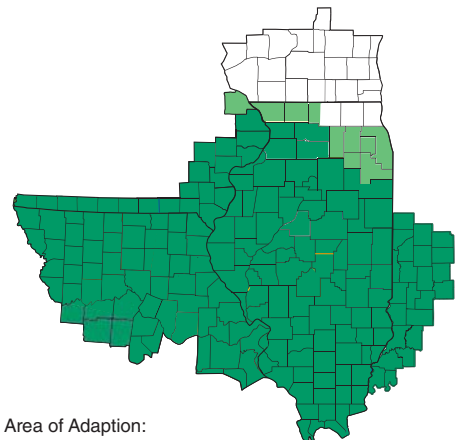
Nematode protection: Yes

Harvest Information

Grain quality: 8*
Test weight: 8
GDD to silk: 1450
GDD to 30%: 2800
Ear retention: 9
High tonnage silage: 8
Harvest residue: 7

Refuge

None needed



Area of Adaption:

Dark Green - Primary

Light Green - Secondary



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7H20™*
Brand





114 Day Maturity

7H20™*

- Same genetics as Power Plus® 7H23 S™*
- Designed for central & southern IL and MO
- Works well across soils and various yield environments
- Great on irrigated sand

Corn/Corn				Drought Tolerance	
Early Vigor				Stalk Strength	
Population (group)	A	C	B	Root Strength	
Not Advised					
Suitable					
Good					
Excellent					

 GLYPHOSATE
 CONVENTIONAL
 GLUFOSINATE
 LIBERTY LINK

Exceptional yield potential.

NON-GMO



“IT WORKED LIKE A CHARM”

Burrus/Hughes are the leaders in variable rate planting! This spring we used our Crop Optimization Planner (COP) variable rate planting technology that increases plant population on the more productive soils and decreases plant density on the more drought prone soils. It was used on many farms and with many different controllers with great success again in 2014.



Rick Paris, a Missouri farmer, shared his experience with the COP.

General Characteristics

Plant height: 7
Ear height: 6
Ear type: Intermediate

Planting Information Population

Speed of emergence: 7	
High organic soils: 10	31 – 37
Timber soils: 9	27 – 33
Clay & varied soils: 9	27 – 33
Sand (dryland): 8	23 – 29
Sand (irrigated): 9	31 – 37
Wet soils: 8	

Agronomic Package

Fall appearance: 8
No. leaf blight tolerance: 6
Anthracnose tolerance: 6
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

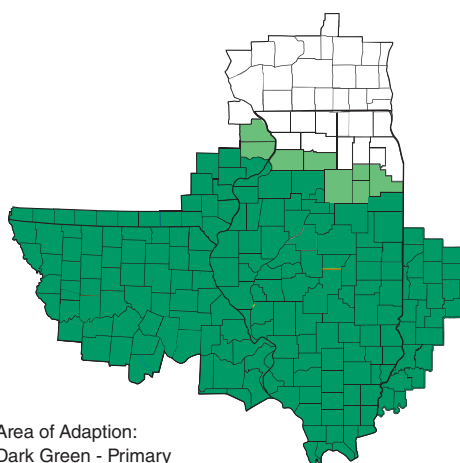
Nematode protection: Yes

Harvest Information

Grain quality: 7
Test weight: 7
GDD to silk: 1330
GDD to 30%: 2850
Ear retention: 9
High tonnage silage: 8
Harvest residue: 8

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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NON-GMO

CUSTOMERS ARE TOPS

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



750

Brand

115 Day Maturity

Corn/Corn			
Early Vigor			
Population (group)	C	A	B
Not Advised			
Suitable			
Good			
Excellent			

■ GLYPHOSATE

■ CONVENTIONAL

■ GLUFOSINATE

Capture a non-GM premium, hard endo too!

General Characteristics

Plant height: 8
 Ear height: 8
 Ear type: Intermediate

Planting Information

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

Population

31 – 37
 27 – 33
 27 – 33
 23 – 29
 31 – 37

Agronomic Package

Fall appearance: 10
 No. leaf blight tolerance: 8
 Anthracnose tolerance: 8
 Gray leaf spot tolerance: 8
 Diplodia ear rot tolerance: 8
 Goss's wilt: 8
 Plant growth regulator sensitivity: 5
 Greensnap tolerance: 8

Protection

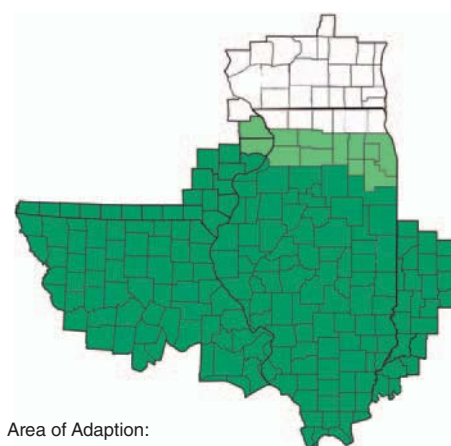
Nematode protection: Yes

Harvest Information

Grain quality: 10*
 Test weight: 10
 GDD to silk: 2900
 GDD to 30%: 1490
 Ear retention: 9
 High tonnage silage: 10
 Harvest residue: 10

Refuge

None needed



Area of Adaption:
 Dark Green - Primary
 Light Green - Secondary

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Liberty® and LibertyLink® are registered trademarks of Bayer.

*Grain premium potential

1M45AMRW-R™*
Brand

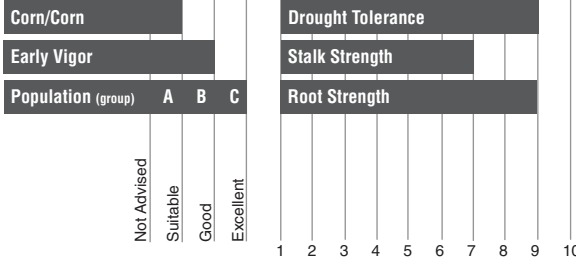
POWER PLUS

NEW

102 Day Maturity



- Excellent stress tolerance with some ear flex
- Goes south well as an early corn
- Consider a late fungicide application for NCLB



GLYPHOSATE CONVENTIONAL GLUFOSINATE LIBERTY LINK

Everything you need in one bag.

General Characteristics

Plant height: 5
Ear height: 5
Ear type: Intermediate

Planting Information Population

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

Agronomic Package

Fall appearance: 7
No. leaf blight tolerance: 5
Anthracnose tolerance: NR
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 7
Goss's wilt: 7
Plant growth regulator sensitivity: NR
Greensnap tolerance: 8

Protection

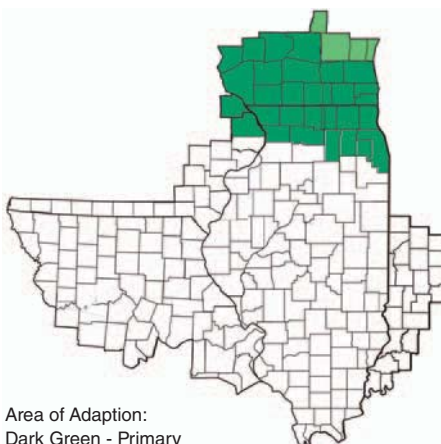
Nematode protection: Yes

Harvest Information

Grain quality: 5
Test weight: 5
GDD to silk: 1270
GDD to 30%: 2420
Ear retention: 8
High tonnage silage: 6
Harvest residue: 6

Refuge

None needed



Area of Adaption:
Dark Green - Primary
Light Green - Secondary

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OTHER



MATURITY ZONE MAPS

The zones indicate how maturity lines do not flow just east to west rather move north as they move further west. Maturity zones are referenced in some product write-ups.



ALFALFA

Agronomic Summary	214FY
Bacterial Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Verticillium Wilt	HR
Anthracoze (Race 1)	HR
Aphanomyces Root Rot (Race 1)	HR
Aphanomyces Root Rot (Race 2)	R
DRI	34/35
Stem Nematode	R
Northern Root-knot Nematode	HR
Pea Aphid	R
Blue Alfalfa Aphid	MR
Winter Survival	1.9
Root Type	Tap
Fall Dormancy	4.1
Cutting Recovery	8.0*
Forage Yield Level	8.4*
Forage Quality	8.0*
Wheel Traffic	7.5*
*: 10 is best, 1 is poorest	

Agronomic Summary	388HY
Bacterial Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Verticillium Wilt	HR
Anthracoze (Race 1)	HR
Aphanomyces Root Rot (Race 1)	HR
Aphanomyces Root Rot (Race 2)	MR
DRI	33/35
Stem Nematode	HR
Northern Root-knot Nematode	HR
Winter Survival	1.8*
Fall Dormancy	4.0*
Root Type	TAP
Crown Depth	Average
Fitness of Stem	Fine

HR = High resistance
MR = Medium resistance
R = Resistant



HIGH PERFORMANCE ALFALFA FORAGE SOLUTIONS

388HY HYBRID ALFALFA represents a recent improvement in Hybrid Alfalfa using the patented msSunstra Hybrid Alfalfa Technology! This new product has familiar hybrid characteristics like dense stands with fine-stemmed herbage and fast recovery, but it comes with an exceptional boost in yield. This fine stem characteristic makes a dense, attractive alfalfa bale. For the highest forage yields of high quality forage, 388HY is the variety of choice.

214FY BRAND ALFALFA is a high forage yielding, persistent alfalfa with excellent forage quality potential. It expresses quick re-growth after cutting to maximize the growing season. 214FY performs best in high producing, well-drained soils. It has a solid disease, insect and nematode resistance package that helps defend it self in adverse environments. 214FY is an alfalfa variety for the dairy or beef producer that demands high tonnages of dairy quality forage.

Features

- Consistent high forage yield
- Rapid recovery after harvest
- Excellent disease resistance
- Very dense, persistent stands
- Fine stems
- Uniform growth habit

Benefits

- Dependability of forage supply
- Better use of growing season
- Broad adaptability
- Better weed control
- Attractive forage bales
- Easier to manage consistent forage quality

THE BURRUS MULTI-BRAND STRATEGY —
our new way to access better corn and soybean
genetics to fit the way you farm.



Which insects are controlled by traits or treatments?

Technology/ Seed treatment			Below ground insects				Above ground insects	
☑☑ Control	☑ Suppression	- no effect	Corn Rootworm	Wireworm	Nematode	Black Cutworm	Corn Borer	Corn Earworm
Optimum® AcreMax® XTreme Product	AMXT	☑☑	-	-	☑☑	☑☑	☑	
Agrisure® 3122 E-Z Refuge®	3122	☑☑	-	-	☑☑	☑☑	☑	
Optimum® AcreMax® Xtra Product	AMX	☑☑	-	-	☑☑	☑☑	☑	
Optimum® AcreMax® 1 Product	AM1	☑☑	-	-	☑☑	☑☑	☑	
Optimum® AcreMax® RW Product	AMRW	☑☑	-	-	-	-	-	
Optimum® TRIssect® Product	Q	☑☑	-	-	☑☑	☑☑	☑	
Agrisure Viptera® 3111	3111	☑☑	-	-	☑☑	☑☑	☑☑	
Agrisure® 3000GT	3000GT	☑☑	-	-	-	☑☑	☑	
Agrisure Artesian® 3011A	3011A	☑☑	-	-	-	☑☑	☑	
Optimum® AcreMax® Product	AM	-	-	-	☑☑	☑☑	☑	
Herculex® 1 Liberty Link®/RR2	S	-	-	-	☑☑	☑☑	☑	
CruiserMaxx® Corn 250		-	-	-	-	-	-	
Burrus Xtra Poncho® 500 VOTiVO®	BX	-	☑☑	☑	☑	-	-	
Avicta® Complete Corn 500	SY	-	-	☑	-	-	-	
High rate Poncho® (1250) VOTiVO®	HP	☑	☑☑	-	☑☑	-	-	
Force® insecticide		☑☑	☑☑	-	☑☑	-	-	
Aztec® insecticide		☑☑	☑☑	-	☑☑	-	-	

Two check marks = Control, One check mark = Suppression





Burrus continues to invest in our company, our people,
our computer infrastructure, land, and irrigation technology.

Recommended Planting Rates for Hybrid Seed Corn

Soil Type	A	B				C
High organic soils	34-40,000	31-37,000				28-34,000
Timber soils	31-37,000	27-33,000				26-32,000
Clay & varied soils	31-37,000	27-33,000				26-32,000
Sand (dryland)	26-32,000	23-29,000				21-27,000
Sand (irrigated)	34-40,000	31-37,000				28-34,000
Brand Products	2987 3011A	2T35™*	5C17AMXT™*	7H23 S™*	7H20™*	1B44 R™*
	2428 GTA	1286 3000GT	6T54 3000GT	7U15AM-R™*	3442	1M45AMRW-R™*
	2N82AM™*	3953 3000GT	6F74AMX™*	1C21 R™*	5D30	4685 3111
	2V56AMX™*	5456 3000GT	6P75AMX™*	5124 GT	5N48™*	7893 3111
		4Y27AMX™*	7A18AM1™*	4P11 R™*	6G64	6C41 S™*
		4G46AMX™*	4V45AM™*	6T51 GT	750	5Z41 GT
		4J95AMX™*	6N83AM™*	6F71 R™*		5Z44 3122
						6C40™*

Best standability is normally achieved at the lowest recommended rates

Allows for a 10% stand loss.

Soybean Planting Rates (1,000 seeds per acre)

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

Use higher end of range in less than ideal conditions.

GUIDE TO ACCURATE SOYBEAN PLANTING

	Small to Normal Seed Size 2500 seeds per pound or greater; 56 lbs. or less per 140 k unit	Large Seed Size 2500 seeds per pound or less (1800 to 2500) 56lbs. Per 140K unit or more
John Deere Non-Vac (Finger Pickup Type Corn Planters) *1 *4 *5	Using Kinze Brush Meters - (2500 seeds/lb or More) Black Brush Type 60 Cell Seed Metering Plate Using Radial Metering Bean Plate - (3700 - 4500 seeds/lb) setting "A"; (2800 - 3700 seeds/lb) setting "B"	Using Kinze Brush Meters - (2500 seeds/lb or Less) Blue Brush Type 48 Cell Seed Metering Plate Using Radial Metering Bean Plate - (2000 - 2800 seeds/lb) setting "C"
Kinze Non-Vac (Finger Pickup Type Corn Planters) *2 *1 *5	(2500 seeds/lb or More) Black Brush Type 60 Cell Seed Metering Plate	(2500 seeds/lb or Less) Blue Brush Type 48 Cell Seed Metering Plate
John Deere Vac Planters *3 *1 *5	Only one disk option - Vacuum setting at 8	Only one disk option - Vacuum setting at 9 (test and adjust accordingly) If feeding problems persist - remove the elbow from the hose feeding the hopper
Kinze Vac Planters *2 *1 *5	Use 60 cell plate - Singular setting of 5 - Vacuum setting at 10	Use 60 cell plate - Singular setting of 5 - Start vacuum setting at 10 (test and adjust accordingly)
Case IH Vac Planters *6 *1 *5	(2600 - 3500 seeds/lb) 193017A1 disc - Singulator setting at 8 - Vacuum at 15-17" (3500 - 4500 seeds/lb) 87420630 disc or comparable - Singulator setting at 8 - Vacuum at 15-17" (2500 - 3500 seeds/lb) 87698875 disc or comparable - Singulator setting at 8 - Vacuum at 15-17"	(2000 - 3500 seeds/lb) 87698875 disc or comparable - Singulator setting at 8 - Vacuum at 15-17"
White Vac Planters *7 *1 *5	(3000 - 4500 seeds/lb) Use 7000722513 (120 cell) disc - Air pressure at 1 - 3" (2000 - 3500 seeds/lb) Use 852432 (120 cell) disc for 30 " rows - Air pressure at 2 - 2.5" (2000 - 3500 seeds/lb) Use 852433 (60 cell) disc for 15" rows - Air pressure at 2 - 2.5"	(2000 - 3500 seeds/lb) Use 852432 (120 cell) disc for 30 " rows - Air pressure at 2 - 2.5" (2000-3500 seeds/lb) Use 852433 (60 cell) disc for 15" rows - Air pressure at 2 - 2.5" (test and adjust accordingly)
*1 Consult the operator's manual for additional talc/graphite recommendations *2 One TBSP of graphite per hopper for a standard 2 bu hopper, and 1-1.5 lbs of graphite per 50 unit container *3 For central fill planters use a 1/2 rate of talc for untreated beans and a full rate (corn rate) of talc with treated beans *4 Add 3/8 TBSP of graphite per hopper		*5 Adjust speed as directed in the operator's manual *6 Consult the operator's manual for seed disc RPM recommendations *7 Do not exceed 35 RPM on seed disc Always check the operator's manual



RECOMMENDED REFUGE CHOICES

DiFonzo & Cullen's Handy Bt Trait table Current April 1, 2012	Bt protein(s)	Insects controlled (bold) or suppressed (<i>italics</i>) <i>Above-ground-----In soil</i>	Herbicide tolerant?	Refuge %, location in the MIDWEST	
Agrisure products					
Agrisure CB/LL	Cry1Ab	ECB CEW FAW SB	---	LL	20% within ½ mile
Agrisure GT/CB/LL	Cry1Ab	ECB CEW FAW SB	---	GT LL	20% within ½ mile
Agrisure RW	mCry3A	---	CRW	---	20% in field/adjacent
Agrisure GT/RW	mCry3A	---	CRW	GT	20% in field/adjacent
Agrisure CB/LL/RW	Cry1Ab mCry3A	ECB CEW FAW SB	CRW	LL	20% in field/adjacent
Agrisure 3000GT	Cry1Ab mCry3A	ECB CEW FAW SB	CRW	GT LL	20% in field/adjacent
Agrisure Viptera 3110	Cry1Ab Vip3A	BCW CEW ECB FAW WBC SB	---	GT LL	20% within ½ mile
Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW CEW ECB FAW WBC SB	CRW	GT LL	20% in field/adjacent
Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW CEW ECB FAW WBC SB	CRW	GT	5% <i>in the bag</i>
Herculex products					
Herculex® 1 (HX1)	Cry1F	BCW ECB FAW CEW SB	---	LL RR2 (some)	20% within ½ mile
Herculex® RW (HXRW)	Cry34/35Ab1	---	CRW	LL RR2 (some)	20% in field/adjacent
Herculex® XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW CEW	CRW	LL RR2 (some)	20% in field/adjacent
Optimum products					
Optimum® TRIssect®	Cry1F mCry3A	BCW ECB FAW WBC CEW SB	CRW	LL RR2	20% in field/adjacent
Optimum® Intrasect®	Cry1F Cry1Ab	BCW ECB FAW WBC CEW SB	---	LL RR2	5% within ½ mile
Optimum® Intrasect® Xtra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	LL RR2	20% in field/adjacent
Optimum Intrasect® XTreme®	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW		5% in field/adjacent
Optimum® AcreMax® (AM-R)	Cry1F Cry1Ab	BCW ECB FAW CEW SB	---	RR2	5% <i>in the bag</i>
Optimum® AcreMax® (AMRW-R)	Cry34/35Ab1	--- WBC	CRW	RR2	10% <i>in the bag</i>
Optimum® AcreMax®1 (AM1)	Cry1F Cry34/35Ab1	BCW ECB FAW WBC CEW	CRW	LL RR2	10% <i>in the bag</i> (CRW) & 20% - ½ mile (ECB)
Optimum® AcreMax® Xtra (AMX-R)	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	RR2	10% <i>in the bag</i>
Optimum® AcreMax® XTreme (AMXT-R)	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW WBC CEW SB	CRW	RR2	5% <i>in the bag</i>

Additional refuge required in EPA-designated cotton growing areas.

A majority of this chart was compiled by Entomologists Eileen Cullen from the University of Wisconsin and Chris DiFonzo from Michigan State University.

KEY

BCW - black cutworm
CEW - corn rootworm

CRW - corn rootworm
ECB - European corn borer
FAW - fall army worm

SB - stalk borer
WBC - western bean cutworm
GT - glyphosate tolerant

LL - LibertyLink or glufosinate
tolerant
RR2 - Roundup Ready 2





We have many new corn products with more single-bag refuge products than ever before.

GUIDE TO ACCURATE SEED CORN PLANTING

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



Use the chart above for setting your planter.

For plateless planters	Weight per 80,000 kernel unit		Under 30#	30-39#	40-49#	50-59#	60# and over	70# and over
	Burrus Xtra (Poncho® 500) VOTiVO®**		BX2	BX3	BX4	BX5	BX6	BX7
	Catalyst® brand			F1 & R1		F2, R1, R3		
	High rate Poncho (Poncho 1250) VOTiVO®****		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	9-13	10-13	13-15
	Kinze Edge Vac *7	Disc Size	Regular Corn	Regular Corn	Regular Corn	Regular Corn	Regular Corn	Regular Corn
		Vacuum Inches *8	not recommended	20	20	20	20	20
		Singulator *8	not recommended	8	8	8	8	5
	Case IH and IHC Early Riser	Drum	Popcorn or Corn *5	Popcorn Corn *5	Corn	Corn	Corn	Corn
		Hopper Pres. *4	8-9 oz.	10 oz. 8-9 oz.	9-10 oz.	10-12 oz.	12 oz. max	12 oz. max
		Brush Setting	1/2 down	Wire down up	Lt. Contact	Down	Remove	Remove
	Case IHC 1200 *7	Disc Size	4845 4855	4845 4855	4855	4855	4855	4855
	New Holland SP Series	Vacuum	20 18	22 18	20	20	20	20
		Singulator	1.5 1.75	1.75 1.75	1.75	1.75	1.75	1.75
	White Air 6000	Disc Size	852436	852436	852436	852435	852434	852434
	New Idea 9000			or 852437	or 852437	or 852435		

*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.



SEED PIRACY

Soybean Seed Piracy Statement: Roundup Ready® soybeans

Seeds containing the Roundup Ready® trait are protected under numerous U.S. patents. Seed containing patented traits, such as seed containing the Roundup Ready® trait, can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready® soybeans. Additional information and limitations on these products are provided in the Monsanto Technology Stewardship Agreement and the Monsanto Technology Use Guide. The licensed U.S. patents for Monsanto technologies can be found at the following webpage: monsanto.com/productpatents.

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ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

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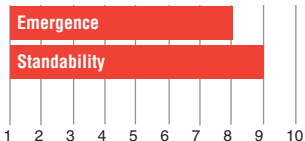


201RR Brand



Maturity 2.1

- Comes from a good family
- Early yield power
- Very good white mold score
- Brown Stem Rot (BSR) resistant
- Widely adapted
- Avoid fields with history of severe SCN



24P4™* Brand



Maturity 2.4

- Outstanding Peking SCN resistance
- Excellent Phytophthora resistance & field tolerance
- Exceptional emergence and standability
- Above average plant height and canopy
- Excellent Frogeye package with reduced shattering potential
- Excellent broad disease package



555RR Brand



Maturity 2.5

- Very showy appearance
- Tremendous performance
- Cyst resistance is very good
- Excellent agronomics
- Best choice for stress-prone areas
- Plant in narrow rows



25G3™* Brand



Maturity 2.5

- High yielding product
- Attractive compact plants
- Outstanding SCN resistance with Peking gene
- Multi-race Phytophthora resistance (Rps1c)
- Best performance on the better soils



25H4™* Brand



Maturity 2.5

- Tall line with good standability
- Excellent in stress/light soil environments
- Strong emergence
- Very good on Sudden Death Syndrome
- Great PI88788 resistance (Race 3)
- Impressive Brown Stem Rot package
- PowerShield® seed treatment optional



777RR Brand



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
- Avoid wet soils





28V2™* Brand

Maturity 2.8



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



28H5™* Brand

Maturity 2.8



- Game changing yield potential in Group 2
- Think Power Plus® 25G3™* appearance with more yield
- Works well on better soils
- Compact plants with wide canopy
- Excellent shattering and Frogeye scores
- Great emergence and standability ratings
- Good Phytophthora multirace scores



30B5™* Brand

Maturity 3.0



- Impressive yield statistics
- Best on your most productive, less drought prone soils
- If you have a history of SDS, use this bean
- Average plant height and canopy width
- Shattering and standability ratings, simply amazing
- Sturdy hypocotyl and fantastic emergence
- Great Downy mildew scores
- Great SCN protection for race 3 and 14 (PI88788)



32D5™* Brand

Maturity 3.2



- Durable bean, well suited for moderate to highly productive soils
- A little taller than Power Plus® 32K0™*, with a wider canopy
- Excellent emergence, great standability
- Good Frogeye protection
- Great SCN race 3 resistance (PI88788)
- Excellent broad disease package



34T3™* Brand

Maturity 3.4



- Exceptional field emergence scores
- Great harvest standability
- Great SCN resistance with 88788 (Race 3)
- Multi-race Phytophthora resistance (Rps1K)
- Great tolerance to SDS
- Impressive BSR package
- Performs best on good soils but will work everywhere



36J3™* Brand

Maturity 3.6



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



BEAN FOLLOWING US? Toll Free 877-4-BURRUS • burrusseed.com



NEW

37N5™*
Brand



Maturity 3.7

- Brings incredible yield potential
- Well suited for more productive, well drained soils
- Expands the yield envelope in minimum and conventional till fields
- Great emergence scores with a stout hypocotyl
- Consider scouting as it responds to fungicides
- Average plant height and canopy width
- Race 3 & 14 SCN resistance (PI88788)



38D2™*
Brand



Maturity 3.8

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



39B3™*
Brand



Maturity 3.9

- At home in Missouri and west central Illinois
- Excellent Frogeye leaf spot tolerance
- Good SCN resistance
- Very bushy plant style for wider rows
- Excellent shattering scores
- Works on all environments
- Short plant stature for maturity
- Great fall appearance



NEW

39R5™*
Brand



Maturity 3.9

- Expect a yellow flash
- Exceptional yield across all yield environments
- Incredible Frogeye scores
- If you struggled with Stem Canker in 2013, this bean is for you!
- Brown spot resistance
- Good Downey mildew tolerance
- Great emergence and good standability



41M4™*
Brand



Maturity 4.1

- Really strong field emergence scores
- Great harvest standability
- Great SCN resistance with PI88788
- Really good phytophthora tolerance
- Very good tolerance to SDS
- Performs best on better soil types/higher yielding environments
- A possible "kink in the armor" with Frogeye leaf spot



100% FREE REPLANT

The entire Burrus family of products, including Burrus®, Power Plus®, Hughes®, Catalyst® and Hoblit® brands qualify for the replant guarantee of free seed, free seed treatment if available and free tech fees of equal or less value, if from the same technology family. Ask your local dealer for complete details.



Planting in the snow.



NEW

46A5™*
Brand

Maturity 4.6



- Pummels the competition with remarkable yields
- Great on low yield environments
- Great in high yield situations too
- May yellow flash when sprayed with Roundup
- Average height but exceptionally wide canopy for early row closure
- Stands well and holds shattering back
- A great bean if you fought Stem Canker in the past



ON FARM ASSESSMENTS

To assess compliance, Burrus will use a third-party to conduct IRM compliance assessments for a randomly selected set of customers who purchased Bt hybrids as well as Roundup Ready soybeans. Following each on-farm assessment, it will be determined if the grower is in compliance. If a grower is found to be out of compliance Burrus will contact the grower prior to the next growing season to provide compliance assistance. Anyone found to be out of compliance will be checked the following two years. Repeated non compliance can result in loss of access to these technologies.

47A3™*
Brand

Maturity 4.7



- Large, bushy plant style
- High yielding across soil types and environments
- Good Sudden Death Syndrome field tolerance
- Good Phytophthora field tolerance
- Excellent shattering resistance
- Very good harvest standability



BEAN FOLLOWING US? Toll Free 877-4-BURRUS • burrusseed.com



ILLINOIS FARM FAMILY OF THE YEAR

Burrus is proud to co-sponsor the Illinois Farm Family of the Year in conjunction with *Illinois Agri-News* each year. Each year a family is chosen to be honored for their contributions on the farm and in the community. The families are nominated and each nomination is reviewed and a winner is selected. Burrus has been co-sponsoring the award, which is presented at the Salute to Agriculture Day at the University of Illinois each year since 1999.

LibertyLink® Soybeans

LibertyLink® soybeans with Liberty® herbicide is the most reliable management solution for weeds resistant to glyphosate and multiple herbicide classes. LibertyLink soybean varieties combine elite genetics and excellent crop safety with built-in tolerance to the powerful, postemergence weed control of Liberty. High-yielding LibertyLink soybean varieties are available in a range of maturities.

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

LibertyLink® Patent Statement

Soybean seeds containing LibertyLink® are protected under multiple U.S. patents and may be planted only to produce one (1) commercial crop, and only after signing a Bayer Grower Technology 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.

Liberty® Herbicide

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

Respect the Rotation™ Statement

Respect the Rotation™ is an initiative to elevate the importance and grower adoption of herbicide diversity to prevent or manage weed resistance. Glyphosate weed resistance is a dominating threat throughout the United States that affects land values, rental agreements, conservation tillage and can greatly reduce yields. The use of Integrated Weed Management practices, such as use of residuals, pre-emergence herbicides and rotation of crops, traits and herbicides, is critical as no one method is likely to be completely successful.



**LIBERTY
LINK**



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255LL Brand

Maturity 2.5

NEW

Hughes
LIBERTY LINK

PowerShield

- Works well across all soil types
- Exceptional emergence, shattering and lodging scores
- Good against Charcoal Rot
- Great White mold and Brown Stem Rot scores
- Above average plant height and canopy width
- Great Phytophthora field tolerance (Rps 1k)

Emergence	Standability	SDS
9.5	9.0	8.5

285LL Brand

Maturity 2.8

NEW

Hughes
LIBERTY LINK

PowerShield

- Works well across all soil types
- Great bean for your lighter soils
- Average plant height with wide canopy
- Emerges quickly and shatters little
- Exceptional disease resistance, Phytophthora, and Brown Stem Rot protection
- Great against SDS, White mold and SCN (PI88788)
- Great lodging score, too

Emergence	Standability	SDS
9.5	9.0	8.5

Hoblit 355LL Brand

Maturity 3.5

NEW

Hoblit
LIBERTY LINK

PowerShield

- Performs well across environments
- Excels on light soils
- Average plant height and wider than average canopy width
- Exceptional disease package, you can rest easy
- Great Phytophthora (Rsp 1k), BSR and SDS protection
- Outstanding scores on Charcoal and Frogeye
- Some of the best emergence, shattering and lodging scores

Emergence	Standability	SDS
9.5	9.0	8.5

Hoblit 384LL Brand

Maturity 3.8

NEW

Hoblit
LIBERTY LINK

PowerShield

- Fantastic trials in 2012 (#1 – 6 to 7 bushels above the mean)
- Exceptional emergence
- Short bean but good score on light soils
- Nice bean for those a little “shattering shy” after 2012
- Great standability
- Good Phytophthora scores

Emergence	Standability	SDS
9.5	9.0	8.5

Hoblit 405LL Brand

Maturity 4.0

NEW

Hoblit
LIBERTY LINK

PowerShield

- Exceptional emergence with average height and width
- Works well across all soils
- Exceptional on lighter soils
- Great bean for the shatter shy
- Exceptional standability
- Great Phytophthora tolerance (Rps 1c) don't worry about resistance
- Very good Frogeye as well as Root Knot tolerance
- SCN resistance (PI88788)

Emergence	Standability	SDS
9.5	9.0	8.5

Hoblit 423LL Brand

Maturity 4.2

NEW

Hoblit
LIBERTY LINK

PowerShield

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

Emergence	Standability	SDS
9.5	9.0	8.5





We all like convenience, but our job is to help you maximize your yield and profit.

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YieldGuard® Corn Borer gene and Herculex® I gene for resistance to corn borer. RW, HX1, LL, RR2 (Optimum® TRIsect®) — Contains the Herculex I gene for above-ground pests and the Agrisure® RW trait for resistance to corn rootworm. RW, YGCB, HXX, LL, RR2 (Optimum® Intrasect® XTreme) — Contains the Agrisure® RW trait, the YieldGard Corn Borer gene, and the Herculex® XTRA genes for resistance to corn borer and corn rootworm. Optimum Intrasect XTreme will be the major component of Optimum AcreMax XTreme. AMXT (Optimum® AcreMax® XTreme) — Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® XTRA genes. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax XTreme products.

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Caution: Do not spray E-Z Refuge® products with Liberty® or Ignite® Brand Herbicides.

Important: Always read and follow label instructions. Some crop protection products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status.

Avicta Complete Corn 500, Force CS and Force 3G are Restricted Use Pesticides.

CruiserMaxx Corn 250 is an application of Cruiser 5FS insecticide delivered at the 0.25 mg a.i./seed rate and Maxim Quattro fungicide.

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

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

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



New soybean varieties in the Burrus family magnify yield,
in most cases four to six bushels an acre.



Soybean Ratings and Characteristics

Soybeans with Roundup Ready®																
	Maturity	Soybean Cyst Nematode	Herbicide Tolerance	Emergence	Standability	Shattering Score	Phytophthora (PRR)	Brown Stem Rot (BSR)	Sudden Death (SDS) Tolerance	Frogeye Leaf Spot Tolerance	White Mold	Iron Chlorosis	Canopy Width	Plant Height	Light Soils	Pubescence
Hughes Brand 201RR	2.1	None	RR	8	9	9	6	10	NR	NR	7	5	7	8	7	L. Tawny
Power Plus® Brand 24P4™*	2.4	Peking	RR	9	8	7	6	8	6	9	5	6	6	7	6	L. Tawny
Hughes Brand 555RR	2.5	PI88788	RR	9	9	9	6	7	7	NR	6	3	6	7	7	L. Tawny
Power Plus® Brand 25G3™*	2.5	Peking	RR	9	9	8	5	6	6	8	6	5	7	5	5	Gray
Power Plus® Brand 25H4™*	2.5	PI88788	RR	9	8	7	5	7	7	7	5	3	6	8	7	L. Tawny
Hughes Brand 777RR	2.7	PI88788	RR	8	9	9	6	8	8	NR	6	3	8	9	8	L. Tawny
Power Plus® Brand 28V2™*	2.8	PI88788	RR	9	9	7	5	8	7	9	6	4	6	8	7	L. Tawny
Power Plus® Brand 28H5™* NEW	2.8	PI88788	RR	8	8	8	6	7	6	NA	5	5	8	6	6	Gray
Power Plus® Brand 30B5™* NEW	3.0	PI88788	RR	9	8	9	6	7	7	NA	5	3	8	6	5	L. Tawny
Power Plus® Brand 32D5™* NEW	3.2	PI88788	RR	9	8	NA	7	7	6	7	5	5	8	6	5	L. Tawny
Power Plus® Brand 34T3™*	3.4	PI88788	RR	9	9	6	6	9	8	6	6	5	6	6	7	L. Tawny
Power Plus® Brand 36J3™*	3.6	PI88788	RR	9	9	NR	7	6	7	6	NR	4	7	7	7	L. Tawny
Power Plus® Brand 37N5™* NEW	3.7	PI88788	RR	8	8	NA	6	9	6	5	5	4	8	7	7	Gray
Power Plus® Brand 38D2™*	3.8	PI88788	RR	9	9	7	6	6	7	5	NR	5	7	7	8	L. Tawny
Power Plus® Brand 39B3™*	3.9	PI88788	RR	8	8	9	6	8	6	9	NR	4	8	7	9	Tawny
Power Plus® Brand 39R5™* NEW	3.9	PI88788	RR	8	8	NA	6	8	6	9	5	5	8	7	9	Tawny
Power Plus® Brand 41M4™*	4.1	PI88788	RR	10	9	8	7	8	8	5	NR	4	7	6	7	L. Tawny
Power Plus® Brand 46A5™* NEW	4.6	PI88788	RR	8	9	9	6	6	7	7	NA	4	8	9	9	Tawny
Power Plus® Brand 47A3™*	4.7	PI88788	RR	8	9	8	7	6	7	6	NR	2	8	9	9	Tawny

Soybeans with LibertyLink® gene																
	Maturity	Soybean Cyst Nematode	Herbicide Tolerance	Emergence	Standability	Shattering Score	Phytophthora (PRR)	Brown Stem Rot (BSR)	Sudden Death (SDS) Tolerance	Frogeye Leaf Spot Tolerance	White Mold	Iron Chlorosis	Canopy Width	Plant Height	Light Soils	Pubescence
Hughes Brand 255LL NEW	2.5	PI88788	LL	10	9	9	8	8	NA	NA	7	NA	7	7	8	L. Tawny
Hughes Brand 285LL NEW	2.8	PI88788	LL	10	9	9	8	8	7	NR	7	7	7	6	8	Gray
Hoblit Brand 355LL NEW	3.5	PI88788	LL	10	9	9	8	8	8	8	7	8	6	7	8	L. Tawny
Hoblit Brand 384LL	3.8	PI88788	LL	9	9	9	8	NR	6	7	NR	7	7	8	7	L. Tawny
Hoblit Brand 405LL NEW	4.0	PI88788	LL	10	9	9	8	8	8	8	7	7	6	6	8	L. Tawny
Hoblit Brand 423LL	4.2	PI88788	LL	10	9	9	8	NR	7	NR	NR	NR	7	8	8	L. Tawny

Ratings: 10 = Best, 1 = Poorest, NR = Not Rated

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

POWERFUL SOYBEANS

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

Soybean Planting Rates (1,000 seeds per acre)

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

Use higher end of range in less than ideal conditions.

Use higher end of range in less than ideal conditions.

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#BurrusSeed



CHANGE HYBRIDS WHEN SOIL TYPES CHANGE?

This past spring, Burrus tested Kinze®'s new 4900 electric drive multi-hybrid planter on variable soils across Illinois and Missouri. The technology on the planter made it possible to plant offensive hybrids on good soils at higher populations, while switching to defensive hybrids on drought prone soils at lower plant density.

Raven monitors along with the MyFarmsSM soil type system created a hybrid prescription for each field based on soil productivity, and adjusted the population as the planter moved across the field. The prescription was emailed directly to the tractor and downloaded onto the monitor—no need to leave the cab.

Thanks to our local Case IH dealer Beard Implement Co. Inc. of Arenzville for the Case 290AMX tractor. Special thanks to Kinze Manufacturing for building the 16-row planter for Burrus to test.

We are proud members and supporters of:

