



**POINT YOUR FARM IN
THE RIGHT DIRECTION.**

2020 PRODUCT SELECTION GUIDE



BURRUS®

Always Growing

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WELCOME TO **BURRUS SEED**.
OUR GOAL IS TO **LISTEN** AND
LEARN FROM GROWERS, THEN
FIND THE **BEST FIT** FOR EACH
FIELD. WHY? WE TRULY **CARE**
ABOUT **YOUR SUCCESS**.



ALWAYS GROWING

Dear Grower,

As we look ahead to the 2020 growing season, we are excited to share all the new opportunities available from Burrus but also focus on moving on in our respective operations. When many think of 2020, their thoughts change to a clearer vision or clear picture. We know the 2019 planting season was far from a clear picture for most growers in the Midwest, so we are poised to move forward with a clearer vision.

Our relationship with world-wide soybean germplasm, leader GDM is truly exciting! GDM Seeds owns the DONMARIO™ brand soybeans and we have an agreement to market their products within our marketing footprint. New genetics with proven trait platforms are very exciting to us. We get to work with their team on a regular basis to find the products that best fit our marketing area. We have also added more Bayer technologies to enhance our already potent lineup. These are just two of the opportunities that we are confident in sharing with our customers.

We understand we do things differently than many seed companies, that's by design. We strive to listen and learn from each interaction to find the best fit for each individual grower. We don't have a predetermined product mix or technology that we recommend for every grower because every grower is unique. Each grower has a management style that revolves around their fields, their family and their farm. When we gain a better understanding of each of these components, we can find the BEST FIT for YOU.

We are Always Growing at Burrus, whether it is growing seed, growing our business with farmer growers or growing knowledge, we strive to continue! We care about each grower we work with; helping each maximize their return on investment is a top priority. We understand that when we help you win, we win too.

Being truly independent helps us provide the best fit for you. While we have expanded our brand offerings, Burrus is still our lead brand. We expanded our family of brands to meet specific needs of our customers. We have access to new and unique products – through DONMARIO brand soybeans as an example, while offering different trait packages for herbicide and insect protection. This strategy has helped us build an all-encompassing, dominate lineup.

To those of you who put your trust in us, we thank you and we work hard everyday to continue earning that trust. If you haven't been planting Burrus, I'd encourage you to give us a shot and see how by listening to you and learning your true needs, we can find the products to BEST FIT YOU and YOUR OPERATION.

Successfully,



Tim Greene, President

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● Burrus distribution centers

FIND YOUR ACCOUNT MANAGER AT
BURRUSSEED.COM





NOT ALL SOYBEANS ARE CREATED EQUAL. DONMARIO™ brand soybeans from Burrus Seed.

PROGRESSIVE U.S. SOYBEAN GROWERS HAVE A NEW OPTION TO BRING WORLD CLASS SOYBEAN SEED TO THEIR FARM.

DONMARIO comes to the U.S. with over 36 years of industry-shaping experience and proven success from South America to South Africa. In fact, DONMARIO is a leading brand in five of the six largest soybean producing countries.

In addition, DONMARIO sister brands have over 30% soybean market share in Brazil and are a significant force in Europe. This makes the genetic foundation behind DONMARIO one of the most dominant anywhere on the globe.

RAW GENETIC POTENTIAL IS WHAT DRIVES YIELD.

Growers who start with the most powerful genetics put themselves in a position to achieve more profitability. This is why DONMARIO exists today – to create the world's best soybean germplasm.

The reward for growers are optimized production, yield gains, and profitability. DONMARIO works hard at doing the basics better than anyone, anywhere.

U.S. OPERATION AND TESTING SCALE

- More than 330,000 plots
- **120** yield test locations
- **40** product placement locations in **6** states
- **3** breeding stations
- **150,000** new U.S. varieties tested annually
- **7** traits currently being tested

RM 00 - 7

Range of RM currently being tested in the U.S. is 00 - 7. A new breeding station was established in Hutchinson, MN to test and breed RM 00 - 2.0.

HEADQUARTERS

Acquired facility in Gibson City, IL to serve as the U.S. headquarters.

R&D

12+ years of comprehensive research and development and yield testing.

TEAM

The U.S. DONMARIO team has grown to include over 50 full-time employees.



PROTECT YIELDS WITH POWERSHIELD® SEED TREATMENT.

PowerShield — bringing a treatment advantage to you.

Today's ag economy dictates the wisest use of input dollars. There are a few key points growers need to consider when analyzing their alternatives. The most important consideration is the purpose behind PowerShield® brand treatment: to enhance the performance of our seed and our customers' bottom line.

THREE KEYS THAT BRING US TO A PERFORMANCE ADVANTAGE:

1. RIGHT RECIPE – The main question is what chemicals belong in the recipe to maximize stand establishment, early plant vigor, and ultimately, yield? At Burrus, we invest time and research dollars to accurately answer this question. The fungicides used must effectively control the disease that can inhibit reaching these goals. No single fungicide will fully control Phytophthora, Pythium, Fusarium, and Rhizoctonia, along with other diseases. We look for multiple components to effectively manage the full disease spectrum. Insecticide components are also used to manage the major pests. Multiple locations are planted at different dates to identify small but significant differences to deliver the best seed experience. The independent position of Burrus gives us freedom to choose the best when developing our recipe.

2. RIGHT RATE – The most effective rate is prescribed and delivered on each seed. The correct rate is critical to obtaining maximum performance. Realize low rate application can enhance cost cutting goals. At Burrus, trained professionals are one of the keys to the PowerShield reputation.

3. RIGHT RETURN – PowerShield treatments are designed to give the best return available on your investment.

- Value and return on investment can help growers have confidence. We understand every input choice you make must be a wise decision. The fact that PowerShield leads to better stand establishment allows us to guarantee our products with a 100% Free Replant policy.
- PS SDS, PowerShield with SDS control added, gives enhanced return by managing both soybean cyst nematode and sudden death syndrome. Return on investment has been significant when those issues are prevalent. A modest return was realized in 2018 when pressure was low. We continue to believe this is both a great tool to manage risk and an excellent return on investment.

The decision to use PowerShield SDS treatment depends on the strategy applied to the 2020 crop season. How aggressive do we plan for early planting in the spring of 2020? The following approaches can make good sense:

1. 100% of soybeans treated with PS SDS because most seasons show a positive return on investment and when SDS is present, a grower can experience a great return on all their acres.
2. Use PS SDS on certain varieties that might benefit most from the additional protection. Varieties that will likely benefit most include: Hoblit 384LL, DONMARIO DM 37M3X, DONMARIO DM 37C2S, and DONMARIO DM 41C2S.
3. Treat approximately 1/3 of your units to be prepared to plant some of your acres early.
4. Treat products destined for fields with a history of sudden death syndrome.

This added protection can be a valuable tool in managing risk and increasing profitability.



Please use the following charts to better understand the diseases and insects managed with our PowerShield treatments.



FOR SOYBEANS, POWERSHIELD INCLUDES 4 ACTIVE INGREDIENTS FOR FUNGICIDE PLUS INSECTICIDE.

PEST	CONTROL
Bean Leaf Beetle	Yes
Aphid	Yes
Soybean Cyst Nematode	PS SDS
Enhanced Vigor	Yes
Phytophthora	Yes
Pythium	Yes
Rhizoctonia	Yes
Fusarium	Yes
Sudden Death Syndrome	PS SDS

THE QUESTIONS TO ASK WHEN CONSIDERING SEED TREATMENTS:

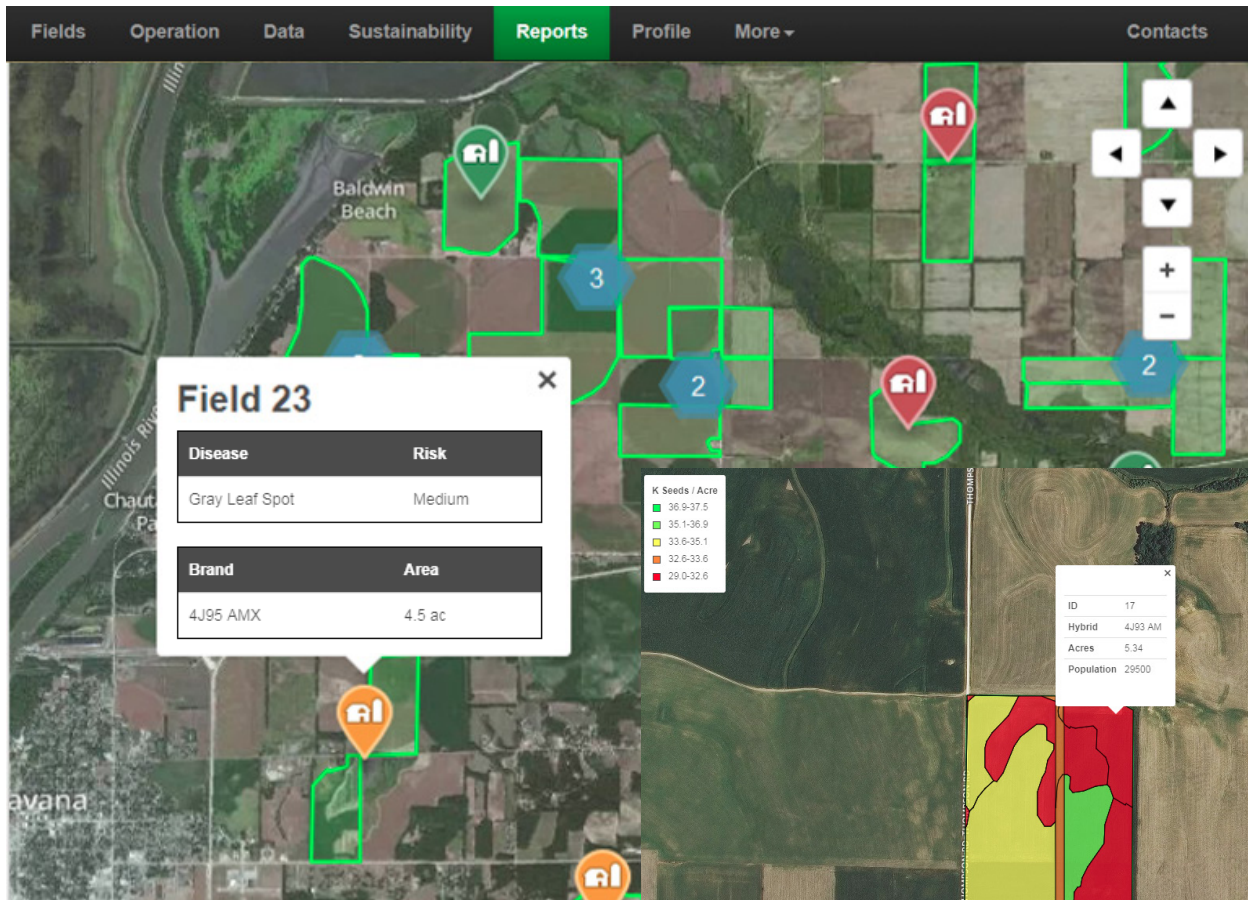
1. What recipe are you using for your seed treatment?
2. What test(s) did you run to make your choice?
3. What is the goal for your seed treating operation?

The PowerShield seed treatment is designed to enhance our seed and make a great return on your investment.

FOR CORN, POWERSHIELD INCLUDES 5 ACTIVE INGREDIENTS FOR FUNGICIDE AND 2 ACTIVE INGREDIENTS FOR INSECT CONTROL, PLUS A NEMATICIDE ON THE NEW PRODUCTS FOR 2019 AND 2020.

PEST	CONTROL
Fusarium	Yes
Rhizoctonia	Yes
Pythium	Yes
Anthracnose	Yes
Head Smut	Yes
Diplodia	Yes
Charcoal Rot	Yes
Aspergillus SPP.	Yes
Penicillium SPP.	Yes
Nematodes	Yes
Wireworm	Yes
White Grub	Yes
Grape Colaspis	Yes
Black Cutworm	Yes
Seed Corn Maggot	Yes
Fall Army Worm (early season)	Yes
Flea Beetle	Yes
Corn Rootworm	No (HP)





MyFarms

MYFARMSSM HELPS YOU FIND THE BEST FIT FOR EACH FIELD.

The challenges of the 2019 growing season may help us advance into a new thought process when addressing which product to plant in each field for 2020.

Here's why:

- Many growers tend to look backward when choosing products for the upcoming year. If considering what did best last year in a single plot – it's focus is last year! MyFarmsSM helps you look forward.
- MyFarms clarifies what products will most likely meet your goals. The final decision is always left to the grower.
- Genetic progress is a fact. MyFarms allows you to know which fields and populations are the best fit without concern.
- Quality test plots planted timely with uniform information will be difficult to find in 2019. MyFarms uses only statistically sound data from multiple years, locations, and strategic environments to help predict future performance.
- The spring of 2019 will push harvest and tillage back into a later fall. MyFarms can help you utilize the time best while waiting for grain to mature.
- Flexibility with MyFarms allows growers to make cropping adjustments post-harvest without rushing through the most important planning phase for 2020.
- MyFarms planting plans can be accessed during planting to help recall which product and population will maximize yields.
- MyFarms fits your fields, your management style, and your seed into a simple information format you can use.
- MyFarms enhances the conversation needed for you to interact with your Burrus Representative to improve your decision-making process.
- MyFarms can help with in-season reminders to improve scouting efficiency by turning planting records into planting plans.

MyFarms is designed to use all the knowledge and experience from our Research Team, your Burrus Representative, and your management style to get the best fit!

215 FY

This alfalfa is a high forage yielding, persistent alfalfa with excellent quality potential. It expresses quick re-growth after cutting to maximize the growing season.

215FY performs best in high producing, well-drained soils. It has a solid disease, insect and nematode resistance package that helps defend itself in adverse environments.

215FY is an alfalfa variety for the dairy or beef producer that demands high tonages of quality forage. 215FY comes with a premium multi-fungicide package included.

215FY AGRONOMIC SUMMARY

Bacterial Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Verticillium Wilt	HR
Anthracoese (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**
Fall Dormancy	4.1
Root Type	TAP
Cutting Recovery	8.0*
Forage Yield Level	8.4*
Forage Quality	8.0*
Wheel Traffic	7.5*

419HY

This product is the latest in a long line of high-performance hybrid alfalfa products. 419HY has familiar hybrid characteristics like dense stands with fine-stemmed herbage and fast recovery, and increased yield potential over standard alfalfa varieties.

419HY adds improved agronomic and yield performance over previous lines. For the highest yields of consistently high-quality forage, 419HY is the variety of choice. 419HY comes with a premium multi-fungicide package included.

419HY AGRONOMIC SUMMARY

Bacterial Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Verticillium Wilt	HR
Anthracoese (Race 1)	HR
Aphanomyces Root Rot (Race 1)	HR
DRI	30/30
Stem Nematode	HR
Northern Root-knot Nematode	HR
Winter Survival	1.8**
Fall Dormancy	4.0
Root Type	TAP
Crown Depth	AVE
Fitness of Stem	Fine
Cutting Recovery	9.0*
Forage Yield Level	9.0*
Forage Quality	8.4*
Wheel Traffic	8.4*

344EQ

344EQ (Extended Quality) provides superior forage quality with an extended harvest window for growers.

This product features high TTNDFD and NDGD48 forage quality scores. A reduced lignin content further improves the digestibility and quality of 344EQ.

Outstanding yield, coupled with a reliable disease package, creates a well-rounded product. 344EQ belongs on farms intending to produce high yields of consistent quality forage. 344EQ comes with a premium multi-fungicide package included.

344EQ AGRONOMIC SUMMARY

Bacterial Wilt	HR
Fusarium Wilt	HR
Phytophthora Root Rot	HR
Verticillium Wilt	HR
Anthracoese (Race 1)	HR
Aphanomyces Root Rot (Race 1)	HR
Aphanomyces Root Rot (Race 2)	MR
DRI	33/35
Winter Survival	1.9**
Fall Dormancy	4.2
Root Type	TAP
Crown Depth	AVE
Cutting Recovery	8.2*
Forage Yield Level	8.9*
Forage Quality	9.0*

Ratings Key

*Rated 1 - 10 (1=poorest, 10=best)

**Rated 1 - 6 (1=most winter hardy, 6=least winter hardy)

HR = High resistance

MR = Medium resistance

R = Resistant



2020 CORN PRODUCT NUMBERING SYSTEM

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. For example, for Power Plus® 4J95 AMX™ brand, multiply the first digit by 2 = 8 then add 100. This depicts the maturity range as 108 - 109 days. The third character identifies whether the hybrid falls on the low end (1 - 4) or high end (5 - 9) of the maturity range. When the first two characters are the same, it indicates a similar family, e.g., Power Plus® 4J93AM™ and Power Plus® 4J90™. The last letter(s) is silent and helps indicate the technology included in that product. The chart below explains what each means.

Product	Maturity	Group	Technology	Designation	RR	LL	Resistance or Control
Burrus 4T46 SS	108	Above/ Below Ground Insect Control	SmartStax® RIB Complete®	SS	x	x	YieldGard® VT Triple PRO®, Herculex® XTRA, Glyphosate tolerant, LL
Power Plus® 3B47 Q™	106		Qrome®	Q	x	x	Herculex® XTRA, Agrisure® RW, YieldGard® Corn Borer
Power Plus® 4A67AMXT™	109		Optimum® AcreMax® XTreme	AMXT	x	x	Herculex® XTRA, Agrisure® RW, YieldGard® Corn Borer
Burrus 6R25 5222	112		Agrisure Duracade® 5222 E-Z Refuge®	5222	x	x	Agrisure Viptera®, Agrisure Duracade®, Agrisure® RW, Agrisure® GT/CB/LL, Herculex® I Corn Borer
Power Plus® 3H85AMX™	113		Optimum® AcreMax® Xtra	AMX	x	x	Herculex® XTRA, YieldGard® Corn Borer
Catalyst® 6216 3111A	111		Agrisure Viptera® 3111A	3111A	x	x	Agrisure Viptera®, Agrisure® RW, Agrisure® CB/LL, Agrisure Artesian®
Burrus 6G34 VT2P	112	Above Ground Insect Control	VT Double PRO® RIB Complete®	VT2P	x		YieldGard® VT PRO®, Glyphosate tolerant
Power Plus® 4J93AM™	109		Optimum® AcreMax®	AM	x	x	Herculex® I Corn Borer, YieldGard® Corn Borer
Burrus 7L12 3110	114		Agrisure Viptera® 3110	3110	x	x	Agrisure® GT/CB/LL, Agrisure Viptera®
Power Plus® 6C41 S™	112	Glyphosate Resistant	Stacked, Herculex® I	S	x	x	Herculex® I Corn Borer
Burrus 7L11 GT	114		Agrisure® GT	GT	x		Glyphosate tolerant
Burrus 6R20	112		Conventional	No letters			No traits

2020 BURRUS SEED NOMENCLATURE

Burrus nomenclature to designate seed corn size and treatment for Power Plus®, Burrus and Hughes brand products:

BX: PowerShield® seed treatment

BX P: PowerShield® seed treatment for growers pursuing a non-GM grain premium

HP: High rate Poncho® 1250 with VOTIVO® nematicide

A number listed behind the nomenclature marker represents the weight range of the 80,000-kernel bag. For example, BX4 are flats or rounds weighing between 40-49 lbs.; BX5 will weigh 50-59 lbs. BXR are round kernels weighing 37 lbs. and up.

Discounts are given for small (BX3) and extremely large (BX6, BX7) seed sizes. Growers can capitalize on these seed size discounts within our system when those particular seed sizes are available.

Burrus nomenclature to designate seed corn size and treatment for Catalyst® brand products:

SY: Avicta® Complete Corn 500 with Vibrance®

Seed sizes start with an **F** to indicate flat kernels, or **R** for rounds.

F1 & R1: weigh 32-42 lbs.

F2 & R2: weigh 43-55 lbs.

F3 & R3: weigh 56 lbs. and up

Burrus system of corn units/EZ Load box:

BX3: 60 units/box

BX4 & HP4: 50 units/box

BX5, BX6, BXR, HP5, HP6 and

Catalyst: 40 units/box

BX7: 35 units/box

Burrus nomenclature to designate seed treatment on soybean products:

PS: PowerShield® treated

PS SDS: PowerShield® treated plus component(s) for sudden death syndrome



1N07AMXT™*
Brand

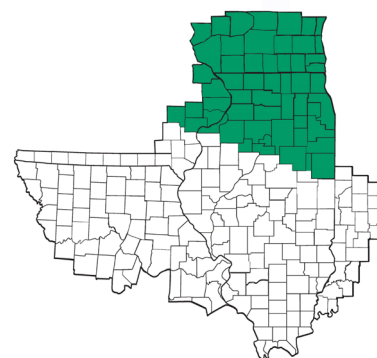
100 Day Maturity

- High yield potential with stability
- Optimum® AQUAmax® technology for tough environments
- Strong flex-eared hybrid with quality grain
- Great roots
- Short stature

Early hybrid that tackles stress.

Characteristic	Level
Corn/Corn	High
Early Vigor	High
Soil Productivity	High
High	High
Medium	Medium
Low	Low
Drought Tolerance	High
Stalk Strength	High
Root Strength	High
Greensnap Tolerance	High

GLYPHOSATE
GLUFOSINATE



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: NR
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 8
Test weight: 8
Ear retention: 9

REFUGE

Integrated refuge

ABOVE / BELOW GROUND INSECT CONTROL

1G48AMXT™*

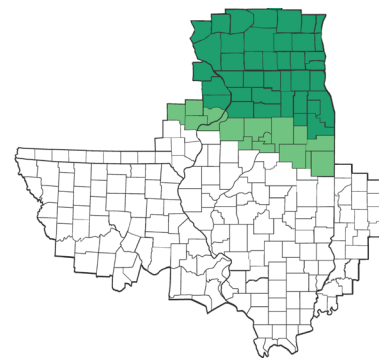
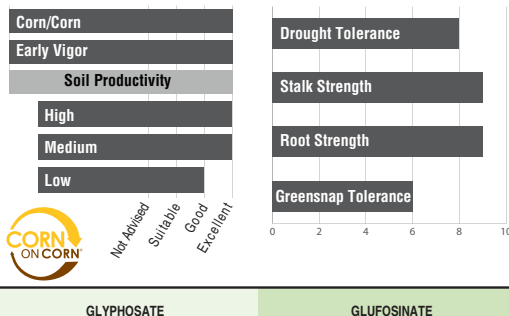
Brand

102 Day Maturity

Optimum
AcreMax™
ABOVE/BELow **XTreme**

- Versatile high yield potential
- Strong late-season stalks
- Great health package for zone
- Strong roots
- Moderate stature and ear height

**POWER
PLUS**

Early genetics with full-season performance.**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

2V15AMXT™*

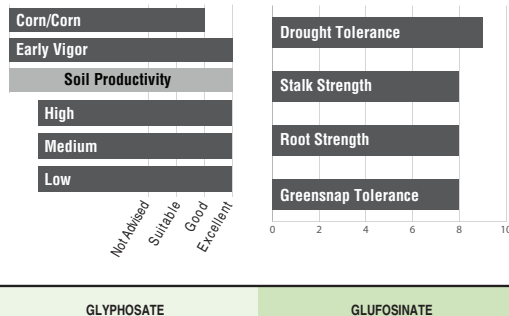
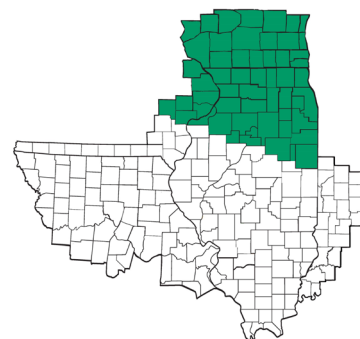
Brand

104 Day Maturity

Optimum
AcreMax™
ABOVE/BELow **XTreme**

- Excellent stress tolerance
- Responds well to fungicides
- Strong choice across all soil types

**POWER
PLUS**

Thrives in all yield environments.**NEW****AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 6
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 8

PLANTING INFO

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

POPULATION

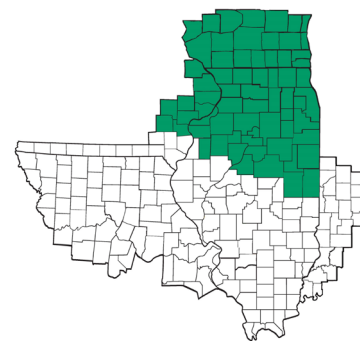
31 – 37
31 – 37
27 – 33
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

**AREA OF ADAPTION:**

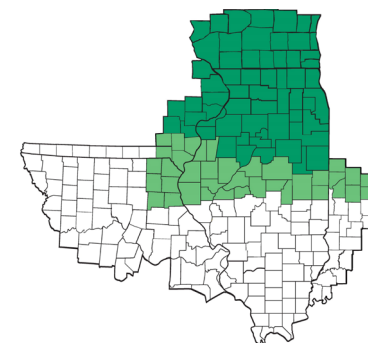
Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 5
Grain quality: 7
Test weight: 7
Ear retention: 8

REFUGE

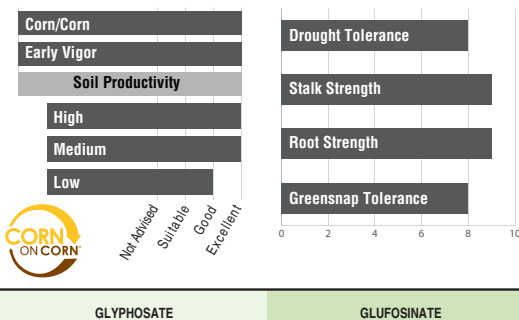
Integrated refuge

3B47 Q™*

Brand

106 Day Maturity

- Mid-maturity yield leader
- Shorter stature
- Excellent quality grain
- Outstanding late-season stalks
- Very good standability

POWER PLUS**Rev up your yields.****GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 9

PLANTING INFO

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

POPULATION

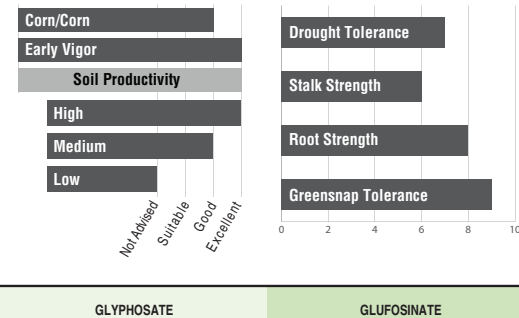
31 – 37
31 – 37
27 – 33
27 – 33
23 – 29

3H85AMX™*

Brand

107 Day Maturity

- Tremendous top end yield potential
- Great roots
- Fits best in northern IL and southern WI
- Performs well at lower pops and on good soils
- Will look weathered in the fall

POWER PLUS**High yield potential flex hybrid.****GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 6
Goss's wilt: 8

PLANTING INFO

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

POPULATION

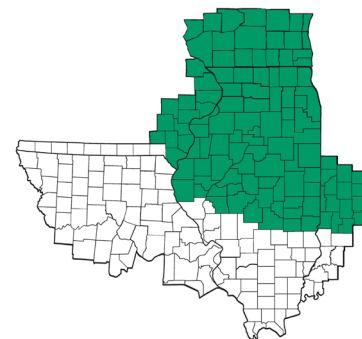
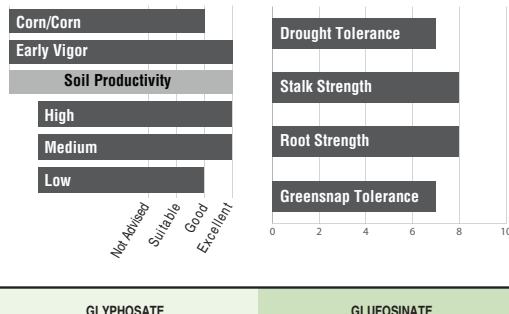
28 – 34
28 – 34
26 – 32
26 – 32
21 – 27

4T46 SS

Brand

108 Day Maturity**SmartStax**
RIB COMPLETE

- Tolerates wet soils very well
- Outstanding complement to Power Plus® 4A67AMXT™
- Works over a wide geography
- Excellent disease and agronomic package

**BURRUS****Stable across yield environments.****AREA OF ADAPTION:**Dark Green - Primary
Light Green - Secondary**GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 9
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: NR
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 7
Ear retention: 8

REFUGE

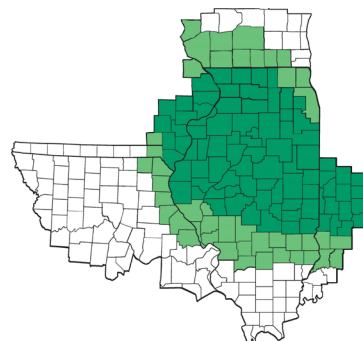
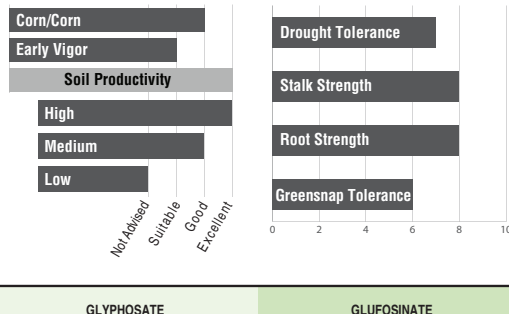
Integrated refuge

4A67AMXT™*

Brand

109 Day Maturity**Optimum**
AcreMax
ABOVE/BELOW XTreme

- Hard to beat on your best soils
- Strong roots
- Very good grain quality
- Deep kernels, flex ears
- Results oriented

POWER PLUS**Put your foot in the door for high yield potential.****AREA OF ADAPTION:**Dark Green - Primary
Light Green - Secondary**GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 7

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 8
Test weight: 7
Ear retention: 8

REFUGE

Integrated refuge

4J95AMX^{TM*}

Brand

109 Day Maturity

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

The standard for yield potential with no refuge needed.

Corn/Corn

Early Vigor

Soil Productivity

High

Medium

Low

Not Advised Suitable Good Excellent

Drought Tolerance

Stalk Strength

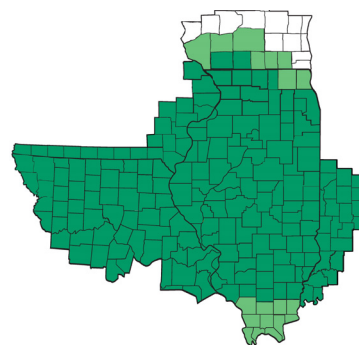
Root Strength

Greensnap Tolerance

0 2 4 6 8 10

GLYPHOSATE

GLUFOSINATE



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 5
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 8
Test weight: 7
Ear retention: 9

REFUGE

Integrated refuge

5N78 Q^{TM*}

Brand

111 Day Maturity

- Great yield potential
- Best in zone and south
- Excellent stalk strength

Success follows fungicide application.

Corn/Corn

Early Vigor

Soil Productivity

High

Medium

Low

Not Advised Suitable Good Excellent

Drought Tolerance

Stalk Strength

Root Strength

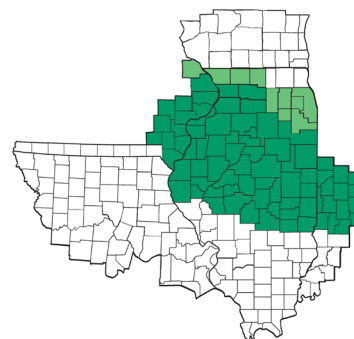
Greensnap Tolerance

0 2 4 6 8 10

GLYPHOSATE

GLUFOSINATE

NEW



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 6
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 7

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 7

REFUGE

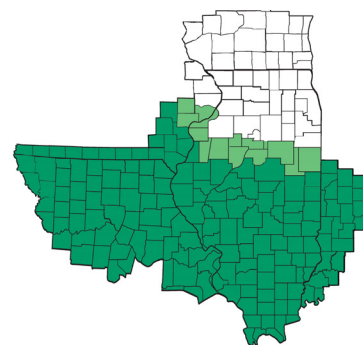
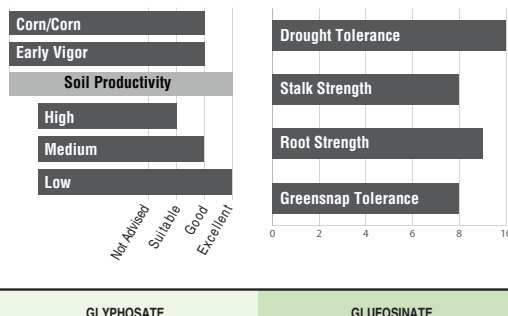
Integrated refuge

6216 3111A

Brand

111 Day Maturity

- Agrisure Artesian® water optimization technology
- Strong stalks and roots
- Good stay green ratings
- Versatility across soil types

**Versatility, yield, and great fall intactness.**

AREA OF ADAPTION:
 Dark Green - Primary
 Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
 Gray leaf spot tolerance: 6
 Diplodia ear rot tolerance: NR
 Goss's wilt: 7

PLANTING INFO

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

POPULATION

31 – 37
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 27 – 33
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 23 – 29

HARVEST INFORMATION

Fall appearance: 7
 Grain quality: 7
 Test weight: 6
 Ear retention: 8

REFUGE

20% structured refuge
 Burrus 7L11 GT

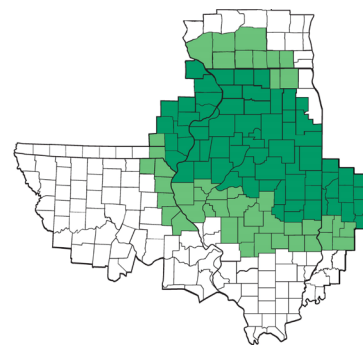
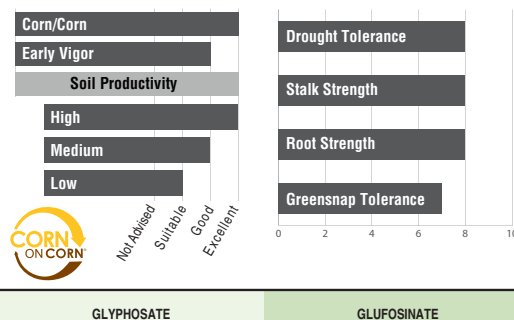
Catalyst® is a registered trademark of Syngenta Group Company.
 Catalyst is a Syngenta brand distributed by Burrus.

6R25 5222

Brand

112 Day Maturity

- Great choice for better soils
- Beautiful fall appearance
- Long ears, high end of medium population
- 2 rootworm, 2 broad lea, and 2 corn borer traits
- Sign grain use agreement prior to purchase

**High yield potential and low drama.**

AREA OF ADAPTION:
 Dark Green - Primary
 Light Green - Secondary

GENERAL CHARACTERISTICS

Plant height: 9
 Ear height: 8
 Ear type: Intermediate

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 7
 Goss's wilt: NR

PLANTING INFO

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

POPULATION

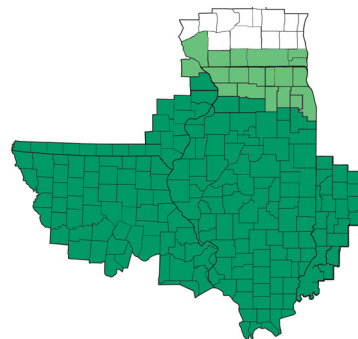
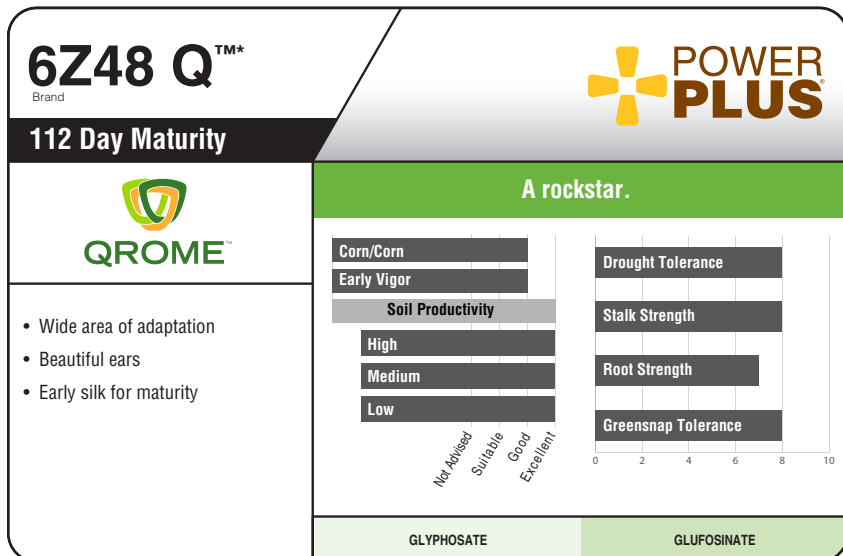
31 – 37
 31 – 37
 27 – 33
 27 – 33
 23 – 29

HARVEST INFORMATION

Fall appearance: 9
 Grain quality: 7
 Test weight: 7
 Ear retention: 8

REFUGE

Integrated refuge

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 6

PLANTING INFO

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

POPULATION

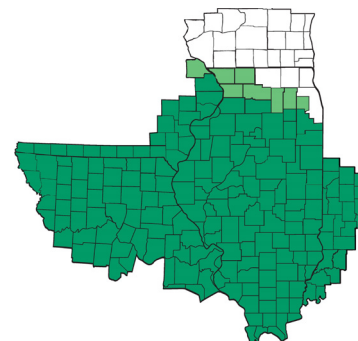
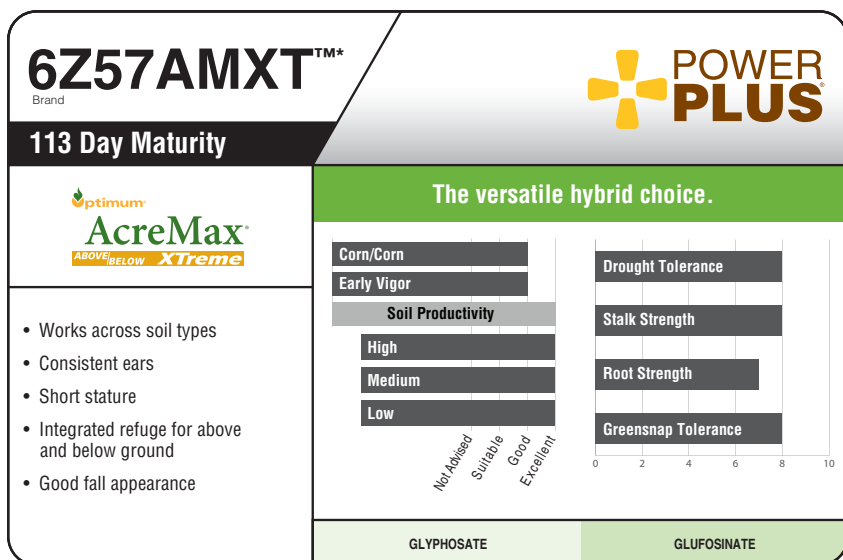
31 – 37
31 – 37
27 – 33
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 8* (premium potential)
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 6

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 8* (premium potential)
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

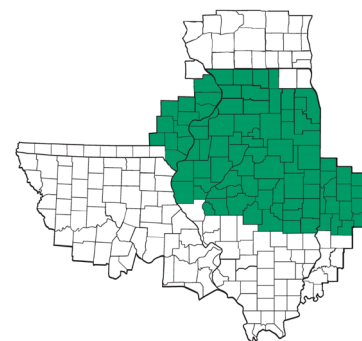
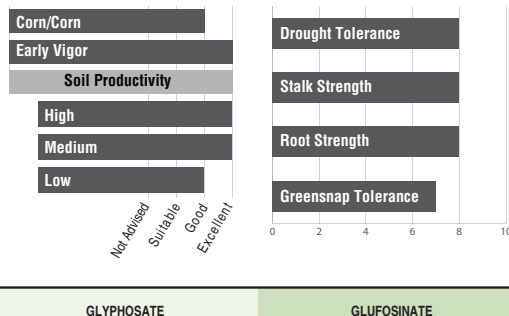
NEW

6Q76 SS

Brand

113 Day Maturity**SmartStax**
RIB COMPLETE

- Low risk disease scores
- Sound fall appearance
- Works well across soil types

**BURRUS****Proven top end yield potential with great agronomics.****AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

Plant height: 8
Ear height: 7
Ear type: Intermediate

AGRONOMIC PACKAGE

No. leaf blight tolerance: 9
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 8
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 9
Grain quality: 9
Test weight: 9
Ear retention: 8

REFUGE

Integrated refuge

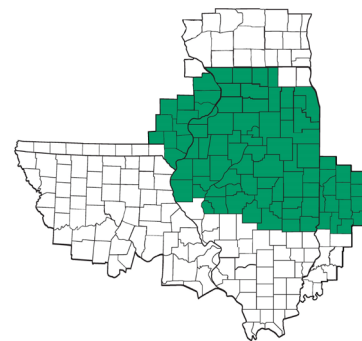
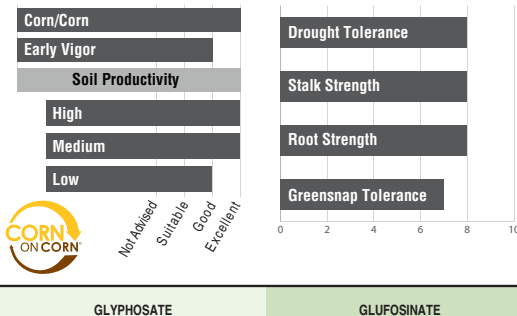
NEW

7U37 SS

Brand

114 Day Maturity**SmartStax**
RIB COMPLETE

- Dependable fall appearance
- Good disease package
- Great choice on good, productive soils

**BURRUS****Phenomenal top end yield potential.****AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

Plant height: 8
Ear height: 7
Ear type: Intermediate

AGRONOMIC PACKAGE

No. leaf blight tolerance: 9
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 8
Goss's wilt: 9

PLANTING INFO

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

POPULATION

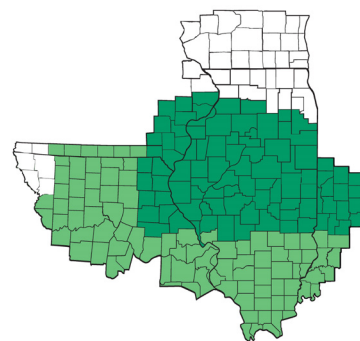
31 – 37
31 – 37
27 – 33
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 9
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

**AREA OF ADAPTION:**

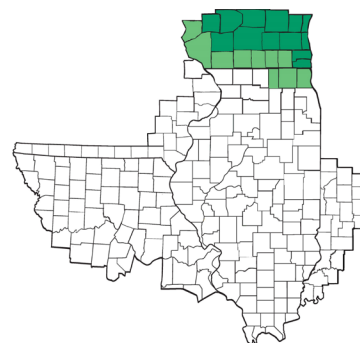
Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 10* (premium potential)
Test weight: 9
Ear retention: 8

REFUGE

Integrated refuge

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 9
Grain quality: 9
Test weight: 9
Ear retention: 8

REFUGE

Integrated refuge

7W67 Q ^{TM*}
Brand

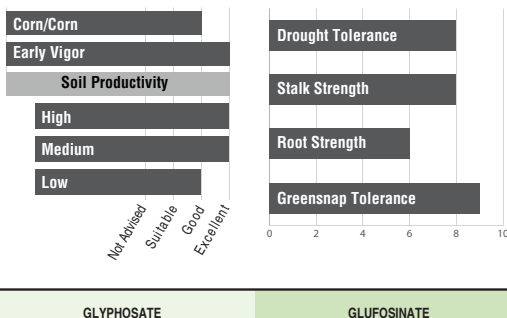
115 Day Maturity



- Grain premium potential
- Early silk for maturity
- Flex ear hybrid

POWER PLUS

Excellent top end yield potential.

**GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 6
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 6

PLANTING INFO

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

POPULATION

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

9U13AM ^{TM*}
Brand

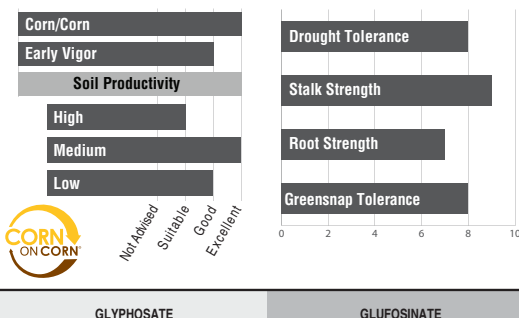
98 Day Maturity



- High yield potential will respond to population input
- Excellent health package
- Widely adapted early platform
- Early to flower
- Quality grain

POWER PLUS

Nice balance of performance and agronomics.

**GENERAL CHARACTERISTICS**

Plant height: 8
Ear height: 8
Ear type: Fixed

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: NR
Goss's wilt: 9

PLANTING INFO

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

POPULATION

34 – 40
34 – 40
31 – 37
31 – 37
26 – 32

1G39AM^{TM*}
Brand

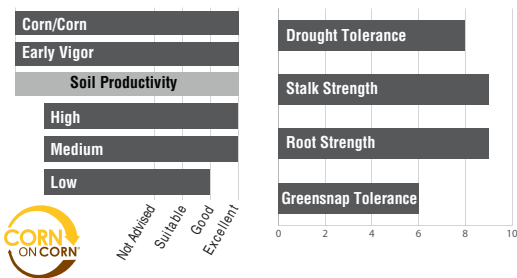
101 Day Maturity



- Versatile high yield potential
- Strong late-season stalks
- Great health package for zone
- Strong roots
- Moderate stature and ear height

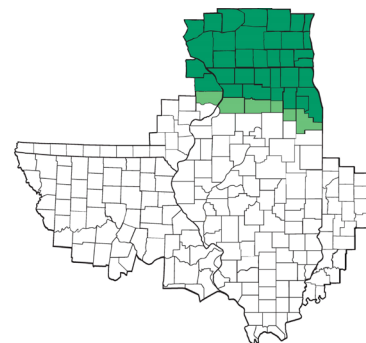


Full-season performance from early genetics.



GLYPHOSATE

GLUFOSINATE



AREA OF ADAPTION:

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

2Y06AM^{TM*}
Brand

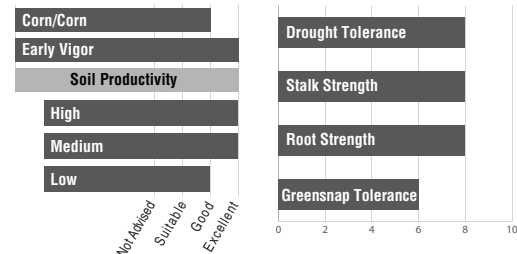
104 Day Maturity



- High yield potential
- Fast dry down
- Works across a range of soils
- Corn borer protection with integrated refuge

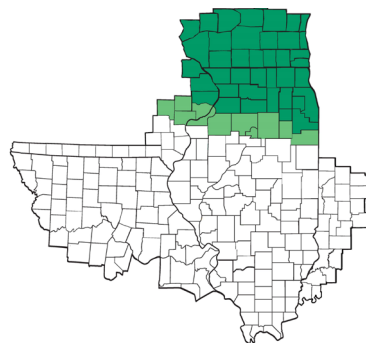


The real deal for the stateline area.



GLYPHOSATE

GLUFOSINATE



AREA OF ADAPTION:

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 8
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

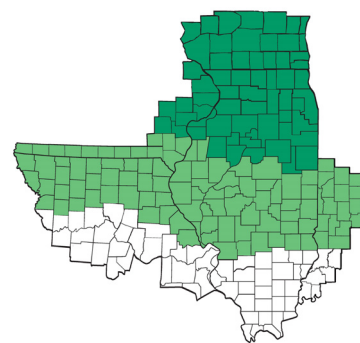
Fall appearance: 7
Grain quality: 7
Test weight: 7
Ear retention: 8

REFUGE

Integrated refuge

NEW

ABOVE GROUND INSECT CONTROL

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

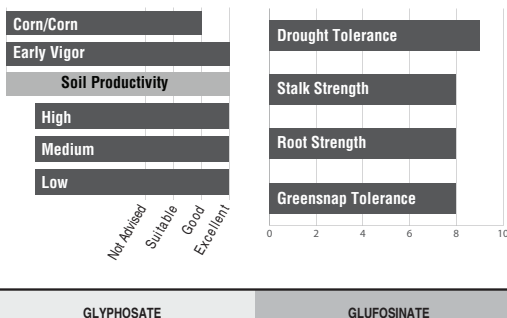
Integrated refuge

3V14AM™*

Brand

106 Day Maturity

- Excellent stress tolerance
- Responds well to fungicides
- Great adaptability across soil types

**Thrives in all yield environments.****GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 6
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 8

PLANTING INFO

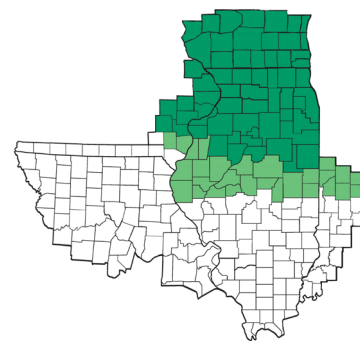
Speed of emergence: 8
High organic soils: 10
Sand (irrigated): 10
Timber soils: 10
Clay & varied soils: 10
Sand (dryland): 10
Wet soils: 8

POPULATION

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27 – 33
23 – 29

NEW

ABOVE GROUND INSECT CONTROL

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 8
Test weight: 7
Ear retention: 8

REFUGE

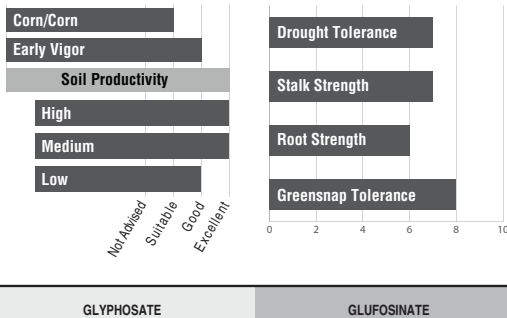
Integrated refuge

3M62AM™*

Brand

107 Day Maturity

- Excellent response to fungicides
- Flex ear enables low planting populations
- Works well across multiple soil types

**Dependable top end yield performance.****GENERAL CHARACTERISTICS**

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 7
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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28 – 34
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4Y34AM™*

Brand

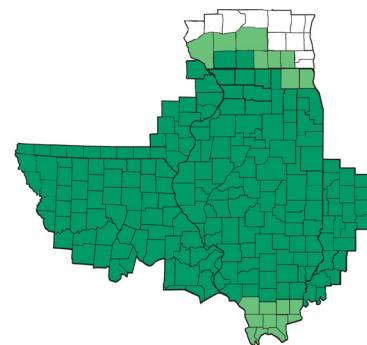
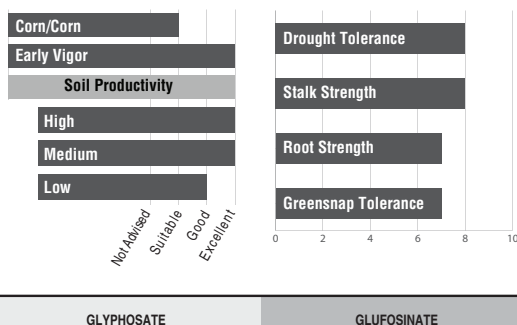
108 Day Maturity



- Broad area of adaptation
- Excellent early vigor
- Silks out strong
- High response to fungicides
- Integrated refuge product



Tremendous yield potential in key RM.



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 8
Goss's wilt: 7

PLANTING INFO

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

POPULATION

31 – 37
31 – 37
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27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 7
Test weight: 7
Ear retention: 8

REFUGE

Integrated refuge

4J93AM™*

Brand

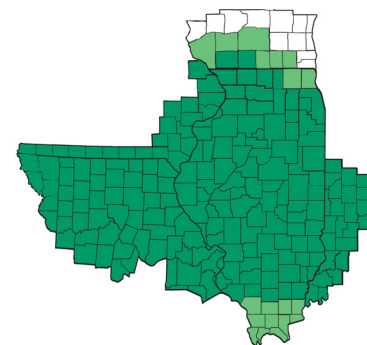
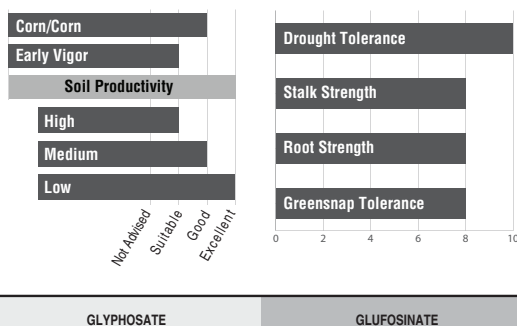
109 Day Maturity



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



Setting the performance standard at 109 days.



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 5
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 8
Test weight: 7
Ear retention: 9

REFUGE

Integrated refuge

5K33AM^{TM*}

Brand

110 Day Maturity

- High yield potential
- Early RM for zones 7 & 8
- Versatility across soil types
- Integrated refuge product
- Good southern movement

Raw yield power with toughness for mixed soils.

Corn/Corn

Early Vigor

Soil Productivity

High

Medium

Low

Not Advised Suitable Good Excellent

Drought Tolerance

Stalk Strength

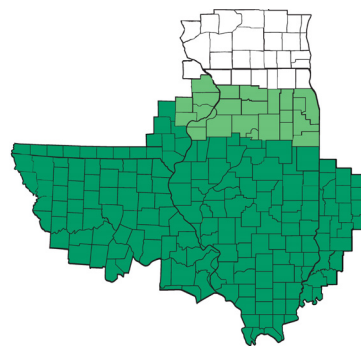
Root Strength

Greensnap Tolerance

0 2 4 6 8 10

GLYPHOSATE

GLUFOSINATE



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 6
Diplodia ear rot tolerance: 6
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 7
Ear retention: 7

REFUGE

Integrated refuge

6G34 VT2P

Brand

112 Day Maturity

- Yields across all environments
- Good agronomics
- Great choice for corn following corn

Safe to place anywhere.

Corn/Corn

Early Vigor

Soil Productivity

High

Medium

Low

Not Advised Suitable Good Excellent

Drought Tolerance

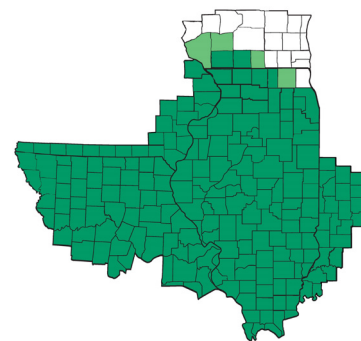
Stalk Strength

Root Strength

Greensnap Tolerance

0 2 4 6 8 10

GLYPHOSATE



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

Plant height: 8
Ear height: 7
Ear type: Intermediate

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: NR
Goss's wilt: 7

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

6C41 S™*

Brand

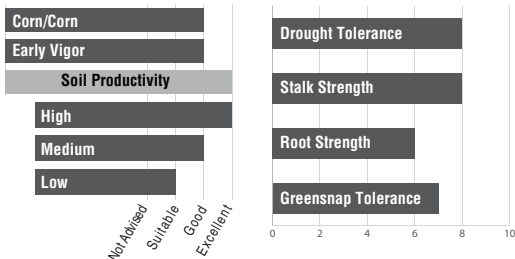
112 Day Maturity



- Taller plant type with excellent stalks
- Designed for southern IL and MO
- Heavy test weight grain
- Squeezes extra grain out of a great year



Hard endo premium candidate.



GLYPHOSATE

GLUFOSINATE

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

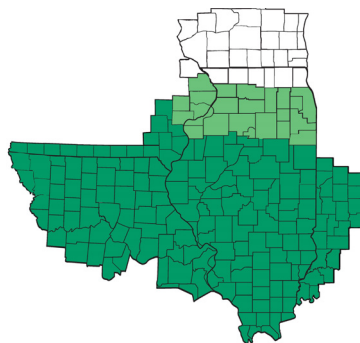
No. leaf blight tolerance: 6
Gray leaf spot tolerance: 8
Diplodia ear rot tolerance: 6
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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



AREA OF ADAPTION:

Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 9
Grain quality: 10* (premium potential)
Test weight: 10
Ear retention: 8

REFUGE

20% structured refuge
Burrus 7L11 GT

6Z43AM™*

Brand

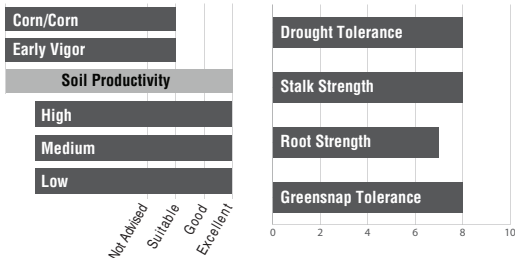
112 Day Maturity



- Wide area of adaptation
- Beautiful ears
- Early silk for maturity
- Integrated refuge above ground protection
- Good agronomics



All terrain hybrid.



GLYPHOSATE

GLUFOSINATE

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

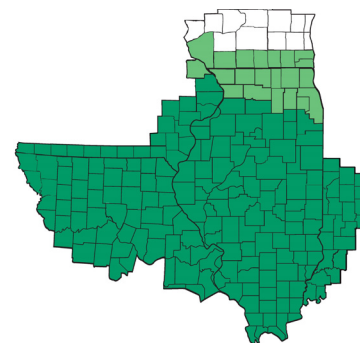
No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 6

PLANTING INFO

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

POPULATION

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



AREA OF ADAPTION:

Dark Green - Primary
Light Green - Secondary

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 8* (premium potential)
Test weight: 8
Ear retention: 8


REFUGE

Integrated refuge


6P73AM^{TM*}

Brand

113 Day Maturity



- Performs best on moderate to high productivity soils
- Yield leader
- Good disease package
- Good dry down
- Solid choice for above ground insect protection

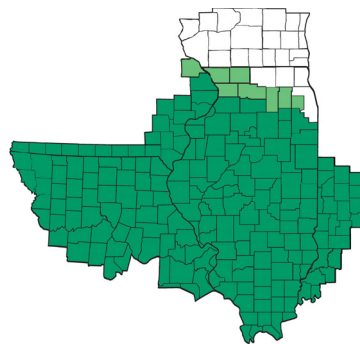


Proven yield potential with great agronomics.

Category	Soil Productivity	Stalk Strength	Root Strength	Greensnap Tolerance
Corn/Corn	High	8	6	6
Early Vigor	Medium	8	6	6
Soil Productivity	Low	8	6	6

Not Advised Suitable Good Excellent

GLYPHOSATE GLUFOSINATE



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 7
Test weight: 7
Ear retention: 7


REFUGE

Integrated refuge


7L12 3110

Brand

114 Day Maturity



- Corn earworm protection with Agrisure Viptera®
- Goes across all soil types and environments
- Low maintenance hybrid
- Strong roots

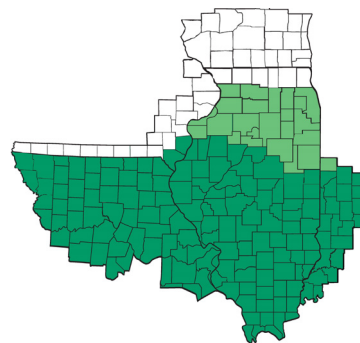


Efficient use of your input dollars.

Category	Soil Productivity	Stalk Strength	Root Strength	Greensnap Tolerance
Corn/Corn	High	8	6	6
Early Vigor	Medium	8	6	6
Soil Productivity	Low	8	6	6

Not Advised Suitable Good Excellent

GLYPHOSATE GLUFOSINATE



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

Plant height: 8
Ear height: 7
Ear type: Intermediate

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 8

PLANTING INFO

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

POPULATION

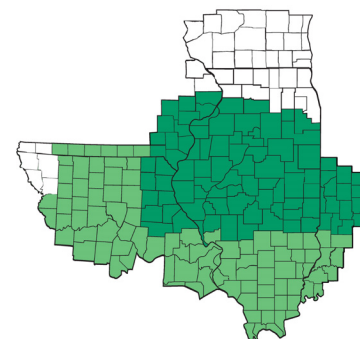
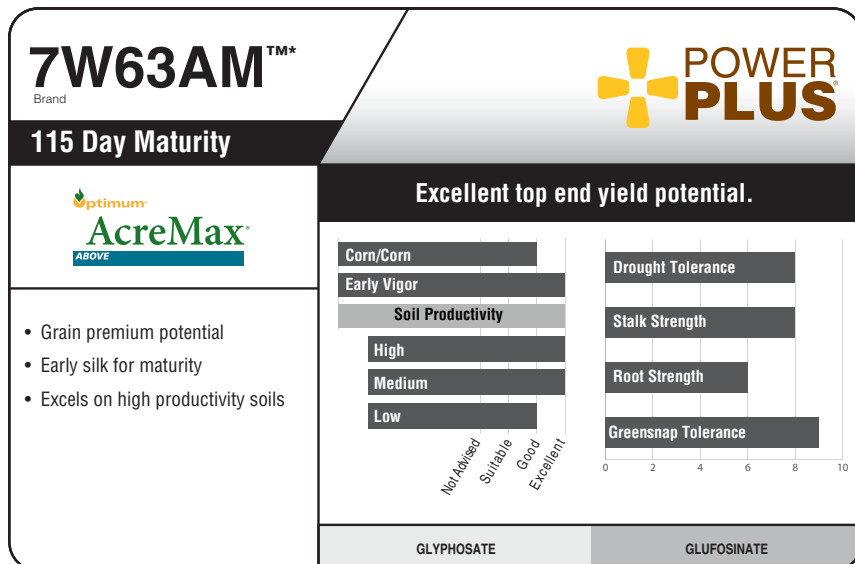
31 – 37
31 – 37
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 7
Test weight: 7
Ear retention: 9

REFUGE

20% structured refuge
Burrus 7L11 GT



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 6
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: 6

PLANTING INFO

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

POPULATION

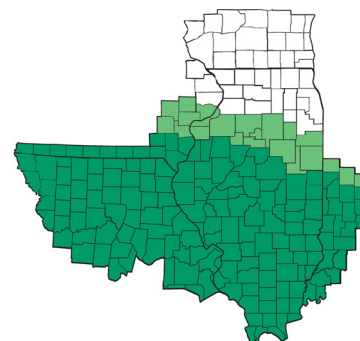
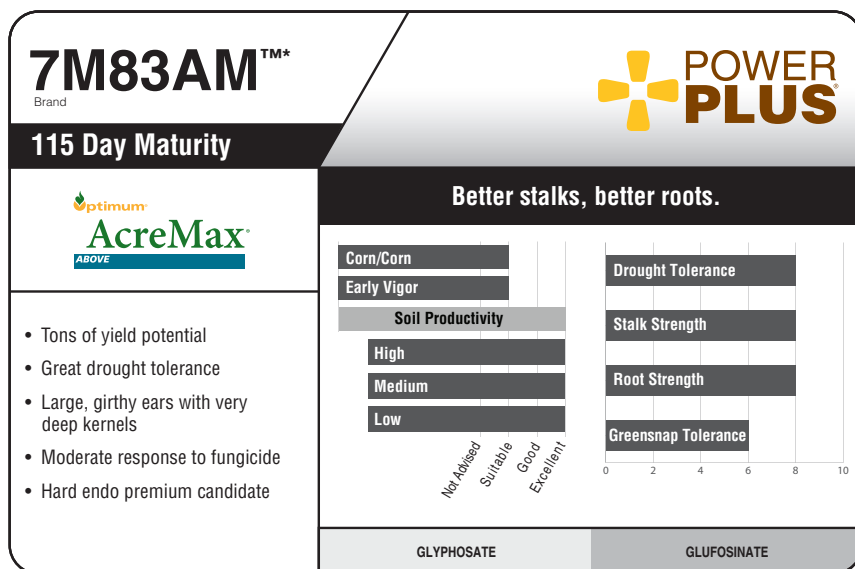
31 – 37
31 – 37
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 8
Grain quality: 10* (premium potential)
Test weight: 9
Ear retention: 8

REFUGE

Integrated refuge



AREA OF ADAPTION:
Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

Integrated refuge

8A12 VT2P

Brand

116 Day Maturity

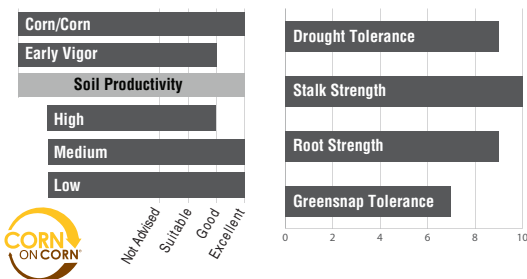
VTDoublePRO®
 RIB COMPLETE

- Excellent disease package
- Great agronomic package
- Perfect choice for tougher soils

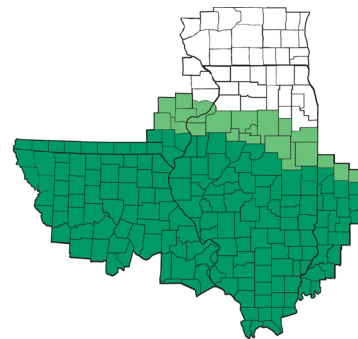


BURRUS®

Go anywhere product.



GLYPHOSATE



AREA OF ADAPTION:

 Dark Green - Primary
 Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

 No. leaf blight tolerance: 9
 Gray leaf spot tolerance: 8
 Diplodia ear rot tolerance: 7
 Goss's wilt: 9

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

 Fall appearance: 9
 Grain quality: 10
 Test weight: 9
 Ear retention: 8

REFUGE

Integrated refuge

7L11 GT

Brand

114 Day Maturity

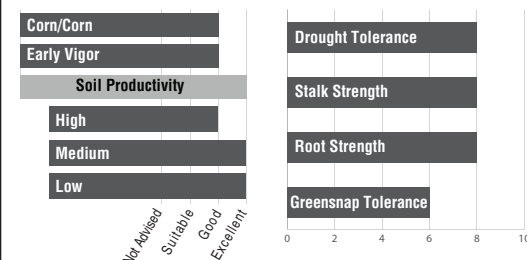
Agrisure®
 GT

- Goes across all soils
- Ideal refuge for structured products
- Strong roots
- Moderate fungicide response

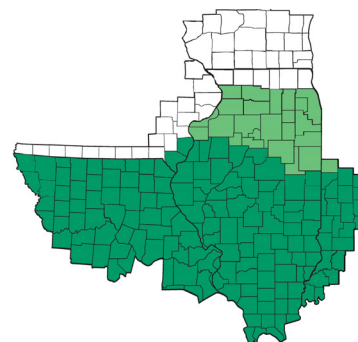


BURRUS®

Ideal refuge product.



GLYPHOSATE



AREA OF ADAPTION:

 Dark Green - Primary
 Light Green - Secondary

GENERAL CHARACTERISTICS

 Plant height: 8
 Ear height: 7
 Ear type: Intermediate

AGRONOMIC PACKAGE

 No. leaf blight tolerance: 7
 Gray leaf spot tolerance: 7
 Diplodia ear rot tolerance: 7
 Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

 Fall appearance: 8
 Grain quality: 6
 Test weight: 7
 Ear retention: 9

REFUGE

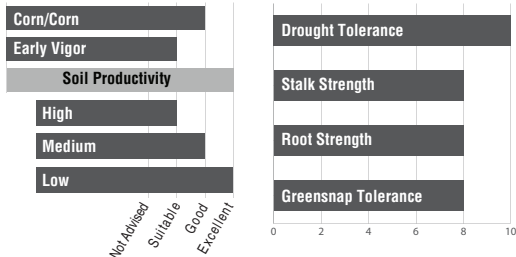
None needed

4J90^{TM*}

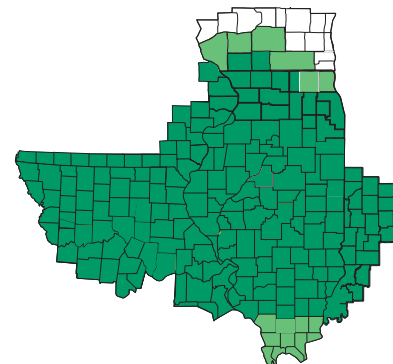
Brand

**109 Day Maturity**
Our first conventional Optimum® AQUAmax® hybrid.

- High yield potential with dry grain
- Yields more than it looks
- Deep kernels sit on small cobs
- Will respond to fungicide application



CONVENTIONAL HERBICIDES ONLY

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 8
Gray leaf spot tolerance: 5
Diplodia ear rot tolerance: 5
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 7
Grain quality: 8
Test weight: 7
Ear retention: 9

REFUGE

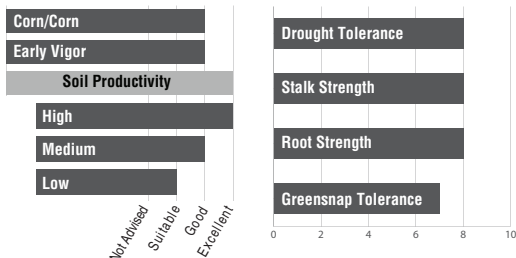
None needed

6R20

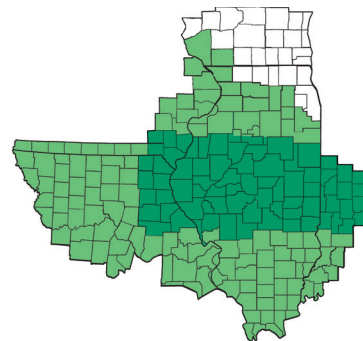
Brand

**112 Day Maturity****High yield and consistency, low drama.**

- Great choice on better soils
- Beautiful fall appearance
- Intriguing grain quality
- High fungicide response
- Harvest timely



CONVENTIONAL HERBICIDES ONLY

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

Plant height: 9
Ear height: 8
Ear type: Intermediate

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 7
Goss's wilt: NR

PLANTING INFO

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

POPULATION

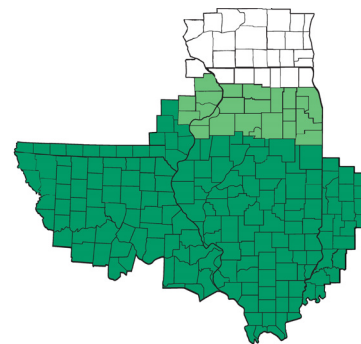
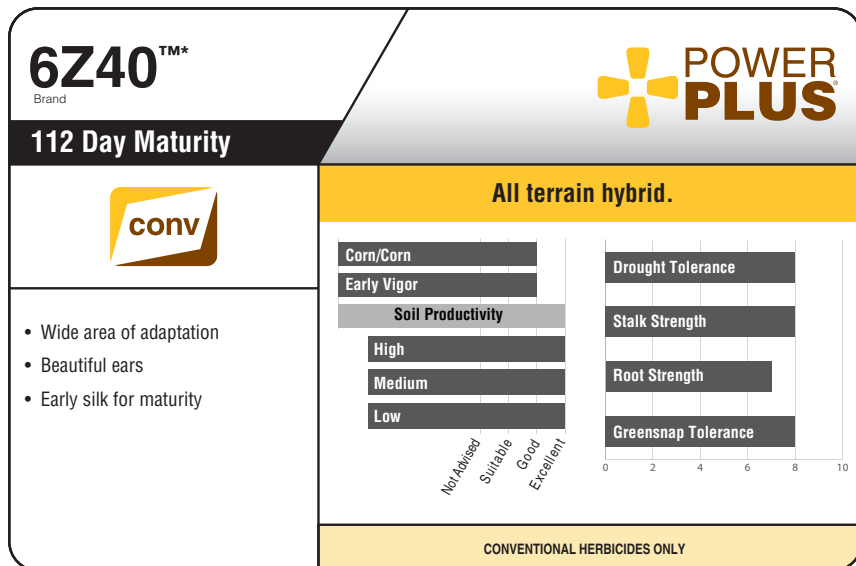
31 – 37
31 – 37
27 – 33
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 9
Grain quality: 7
Test weight: 7
Ear retention: 8

REFUGE

None needed

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 6

PLANTING INFO

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

POPULATION

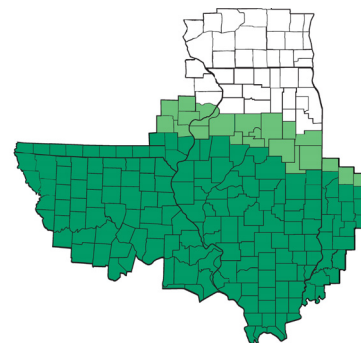
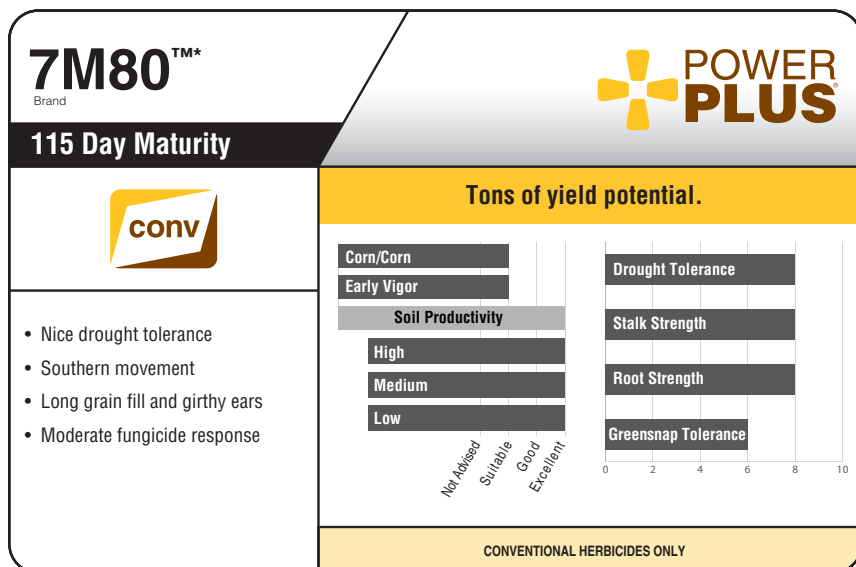
31 – 37
31 – 37
27 – 33
27 – 33
23 – 29

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 8* (premium potential)
Test weight: 8
Ear retention: 8

REFUGE

None needed

**AREA OF ADAPTION:**

Dark Green - Primary
Light Green - Secondary

GENERAL CHARACTERISTICS

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

AGRONOMIC PACKAGE

No. leaf blight tolerance: 7
Gray leaf spot tolerance: 7
Diplodia ear rot tolerance: 8
Goss's wilt: 8

PLANTING INFO

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

POPULATION

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

HARVEST INFORMATION

Fall appearance: 6
Grain quality: 8
Test weight: 8
Ear retention: 8

REFUGE

None needed

SEED CORN TECHNOLOGY REVIEW

Technology	Herbicide		Refuge Req.	Different insects controlled by technology									
	ECB Trait	CRW Trait	Broad Lep	RR	LL		ECB	CRW	BCW	FAW	CEW	WBC	SB
Qrome® (Q)	◆	●		x	x	5% IR	C	C	C	C	NoA	NoA	C
Optimum® AcreMax® XTreme (AMXT)	■	●		x	x	5% IR	C	C	C	C	NoA	NoA	C
Optimum® Intrasect® XTreme (CYXR)	■	●		x	x	†5%	C	C	C	C	NoA	NoA	C
Optimum® AcreMax® Xtra (AMX)	■	●		x	x	10% IR	C	C	C	C	NoA	NoA	C
Optimum® AcreMax® TRIsect® (AMT)	■	●		x	x	10% IR	C	C*	C	C	NoA	NoA	C
Optimum® AcreMax® (AM)	■			x	x	5% IR	C	NoA	C	C	NoA	NoA	C
Optimum® AcreMax® Leptra® (AML)	■		◆	x	x	5% IR	C	NoA	C	C	C	C	C
Herculex® XTRA/RR (HXX/RR)	■	●		x	x	20%	C	C	C	C	NoA	NoA	C
Herculex® XTRA (HXX)	■	●		x	x	20%	C	C	C	C	NoA	NoA	C
Herculex® 1 (HX1/RR/S)	■			x	x	*20%	C	NoA	C	C	NoA	NoA	C
Optimum® AcreMax® 1 (AM1)	■	●		x	x	*20%	C	C	C	C	NoA	NoA	C
Agrisure Duracade® 5222 E-Z Refuge®	■	●	◆	x	*	5% IR	C	C	C	C	C	C	C
Agrisure Duracade® 5122 E-Z Refuge®	■	●	◆	x	*	5% IR	C	C	C	S	S	S	S
Agrisure® 3122 E-Z Refuge®	■	●	◆	x	*	5% IR	C	C	C	S	S	S	S
Agrisure Viptera® 3111	■	●	◆	x	x	20%	C	C*	C	C	C	C	C
Agrisure® 3000GT	■	●		x	x	20%	C	C*	NoA	S	S	NoA	S
Agrisure Viptera® 3220 E-Z Refuge®	■		◆	x	*	5% IR	C	NoA	C	C	C	C	C
Agrisure Viptera® 3110	■		◆	x	x	*20%	C	NoA	C	C	C	C	C
Agrisure® 3010	■			x	x	*20%	C	NoA	NoA	S	S	NoA	S
Refuge Advanced® Powered by SmartStax®	■	●		x	x	5% IR	C	C	C	C	C	NoA	C
SmartStax® RIB Complete® (SS)	■	●		x	x	5% IR	C	C	C	C	C	NoA	C
VT Double PRO® RIB Complete® (VT2P)	■			x		5% IR	C	NoA	NoA	C	C	NoA	C
PowerCore™ Enlist™**	■			x	x	*5%	C	NoA	C	C	C	NoA	C

EVENT (Protein Expressed, Insect Target)

- TC1507 (Cry1F, ECB)
- MON 810 (Cry1Ab, ECB)
- BT11 (Cry1Ab, ECB)
- MON89034 (Cry1A.105 + Cry2Ab2, Broad Lep)
- DAS-59122-7 (Cry34/Cry35Ab1, CRW)
- MIR604 (mCry3A, CRW)
- MON88017 (Cry3Bb1, CRW)
- Event 5307 (eCry3.1Ab, CRW)
- ◆ MIR162 (Vip3Aa, Broad Lep)
- ◆ DP4114 (Cry1F + Cry1Ab, ECB; Cry34/Cry35Ab1, CRW)

CORN BELT REFUGE GUIDELINES

- 5% is single bag refuge with refuge blended in the bag, no separate refuge needed
- †5% non-Bt refuge must be within field or directly adjacent
- *5% non-Bt refuge must be within 1/2 mile of the field
- 10% is single bag refuge with refuge blended in the bag, no separate refuge needed
- 10% & 20% means 10% of CRW refuge is blended in the bag plus 20% non-Bt refuge for ECB must be within 1/2 mile from the field
- 20% non-Bt refuge must be within field or directly adjacent
- *20% non-Bt refuge must be within 1/2 mile of the field
- **2,4-D and FOP resistance
- *Refer to bag tag or Burrus Seed Product Selection Guide

- ECB - European corn borer
- CRW - Corn rootworm
- BCW - Black cutworm
- FAW - Fall armyworm
- CEW - Corn earworm
- WBC - Western bean cutworm
- SB - Common stalk borer
- C - Control of the insect
- C* - Resistance may have been reported
- S - Suppression of the insect
- NoA - No activity on the insect
- x - Includes herbicide tolerance
- RR - Roundup Ready® (glyphosate)
- LL - LibertyLink® (glufosinate)
- IR - Integrated Refuge

CHEMICALS TO AVOID

Group	Brand	ALS Sulfonylureas (Group 2)	Plant Growth Regulators (Group 4)	HPPD Inhibitors (Group 27)	Glyphosate (Group 9)	Glufosinate (Group 10)	PPO Inhibitors (Group 14)
Above / Below Ground Insect Control	Power Plus® 1N07AMXT™*	▼	●	●	●	●	●
	Power Plus® 1G48AMXT™*	▼	▼	●	●	●	▼
	Power Plus® 2V15AMXT™*	▼	●	●	●	●	▼
	Power Plus® 3B47 Q™*	▼	■	▼	●	●	●
	Power Plus® 3H85AMXT™*	▼	■	●	●	●	▼
	Burrus 4T46 SS	▼	■	●	●	●	▼
	Power Plus® 4A67AMXT™*	■	■	●	●	●	●
	Power Plus® 4J95AMXT™*	■	▼	●	●	●	●
	Power Plus® 5N78 Q™*	▼	▼	●	●	●	▼
	Catalyst 6216 3111A	▼	▼	●	●	●	●
	Burrus 6R25 5222	▼	▼	●	●	●	●
	Power Plus® 6Z48 Q™*	▼	▼	●	●	●	▼
	Power Plus® 6Z57AMXT™*	▼	▼	●	●	●	▼
	Burrus 6Q76 SS	▼	▼	●	●	●	●
	Burrus 7U37 SS	▼	▼	●	●	●	▼
	Power Plus® 7W67 Q™*	▼	▼	●	●	●	▼
Above Ground Insect Control	Power Plus® 9U13AM™*	▼	■	●	●	●	▼
	Power Plus® 1G39AM™*	▼	▼	●	●	●	▼
	Power Plus® 2Y06AM™*	▼	●	▼	●	●	▼
	Power Plus® 3V14AM™*	▼	●	●	●	●	▼
	Power Plus® 3M62AM™*	▼	●	▼	●	●	▼
	Power Plus® 4Y34AM™*	■	▼	●	●	●	●
	Power Plus® 4J93AM™*	■	▼	●	●	●	●
	Power Plus® 5K33AM™*	■	▼	▼	●	●	▼
	Burrus 6G34 VT2P	▼	▼	●	●	■	▼
	Power Plus® 6C41 S™*	▼	▼	●	●	●	●
	Power Plus® 6Z43AM™*	▼	▼	●	●	●	▼
	Power Plus® 6P73AM™*	■	■	▼	●	●	●
	Burrus 7L12 3110	■	▼	▼	●	●	●
	Power Plus® 7W63AM™*	▼	▼	●	●	●	▼
	Power Plus® 7M83AM™*	▼	▼	▼	●	●	●
	Burrus 8A12 VT2P	▼	▼	●	●	■	●
Glyphosate Resistant	Burrus 7L11 GT	■	▼	▼	●	■	●
Conventional	Power Plus® 4J90™*	■	▼	●	■	■	●
	Burrus 6R20	▼	▼	●	■	■	●
	Power Plus® 6Z40™*	▼	▼	●	■	■	▼
	Power Plus® 7M80™*	▼	▼	▼	■	■	●

GROUP NUMBER - TRADENAME

2 - Accent® Q
2 - Basis®
2 - Permit®
2 - Resolve®
2 - Steadfast® Q

2, 4 - Horne® WDG
2, 27 - Capreno®
2, 27 - Corvus®

4 - 2,4-D
4 - Clarity®
4 - Engenia®
4 - FeXapan™
4 - Stinger®
4 - XtendiMax®

4, 19 - Status®
5, 15, 27 - Acuron®
9 - Generic glyphosate
9 - Roundup®
10 - Liberty®

14 - Aim®
14 - Sharpen® (Kixor)
14, 15 - Verdict®
15, 27, 4 - Resicore®

27 - Balance Flex®
27 - Callisto®
27 - Impact®
27 - Laudis®

KEY

● Use
▼ Use with caution
■ Do not use

*Always follow the label.
Consult with your Account
Manager regarding herbicide
sensitivity.

HERBICIDE CLASSIFICATION BY GROUP NUMBER - SITE OF ACTION

1 - ACC-ase (lipid synthesis)
2 - ALS (amino acid synthesis)
3 - Microtubule (seedling root growth)
4 - Synthetic auxins (growth regulators)
5 - Photosystem II (different than 6 and 7)
6 - Photosystem II (different than 5 and 7)

7 - Photosystem II (different than 5 and 6)
9 - EPSP synthase (amino acid synthesis)
10 - Glutamine synthetase
(nitrogen metabolism)
13 - DOXP synthase (pigment)
14 - PPO (cell membrane disruptor)

15 - Long-chain fatty acid
(seedling shoot growth)
19 - Auxin transport (growth regulator)
22 - Photosystem I (cell membrane disruptor)
27 - HPPD (pigment)

Useful Grower Charts

The Burrus Seed research team works year-round to develop materials, ratings, and agronomic support to assist our growers. The charts found in this publication can be used to advise your product selection and management of those products.

A complete collection of grower charts are available under the “Resources” tab on the homepage of our website, www.BurrusSeed.com. As always, you can contact your Burrus Representative for further support.



SOYBEAN PLANTING RATES

Row width	7.5 inch	15 inch	30 inch
Untreated	180 - 190	160 - 170	140 - 150
PowerShield® (fully treated)	165 - 175	145 - 155	125 - 135
PowerShield® SDS	165 - 175	145 - 155	125 - 135

1,000 SEEDS PER ACRE

Use higher end of range in less than ideal conditions.

Great Plains Fluted-Feed Drills: to get the most accurate seed spacing, lower the gate setting and increase the drive speed.



Corn Planting Rates

- = Excellent
- = Good
- = Suitable

CORN PLANTING RATES

Product	Soil Productivity Level		
	High	Medium	Low
Power Plus® 1N07AMXT™*	31 - 37	27 - 33	23 - 29
Power Plus® 1G48AMXT™*	31 - 37	27 - 33	23 - 29
Power Plus® 2V15AMXT™*	31 - 37	27 - 33	23 - 29
Power Plus® 3B47 Q™*	31 - 37	27 - 33	23 - 29
Power Plus® 3H85AMX™*	28 - 34	26 - 34	21 - 27
Burrus 4T46 SS	31 - 37	27 - 33	23 - 29
Power Plus® 4A67AMXT™*	28 - 34	26 - 34	21 - 27
Power Plus® 4J95AMX™*	31 - 37	27 - 33	23 - 29
Power Plus® 5N78 Q™*	31 - 37	27 - 33	23 - 29
Catalyst® 6216 3111A	31 - 37	27 - 33	23 - 29
Burrus 6R25 5222	31 - 37	27 - 33	23 - 29
Power Plus® 6Z48 Q™*	31 - 37	27 - 33	23 - 29
Power Plus® 6Z57AMXT™*	31 - 37	27 - 33	23 - 29
Burrus 6Q76 SS	31 - 37	27 - 33	23 - 29
Burrus 7U37 SS	31 - 37	27 - 33	23 - 29
Power Plus® 7W67 Q™*	31 - 37	27 - 33	23 - 29
Power Plus® 9U13AM™*	34 - 40	31 - 37	26 - 32
Power Plus® 1G39AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 2Y06AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 3V14AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 3M62AM™*	28 - 34	26 - 32	21 - 27
Power Plus® 4Y34AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 4J93AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 5K33AM™*	28 - 34	26 - 32	21 - 27
Burrus 6G34 VT2P	31 - 37	27 - 33	23 - 29
Power Plus® 6C41 S™*	28 - 34	26 - 32	21 - 27
Power Plus® 6Z43AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 6P73AM™*	28 - 34	26 - 32	21 - 27
Burrus 7L12 3110	31 - 37	27 - 33	23 - 29
Power Plus® 7W63AM™*	31 - 37	27 - 33	23 - 29
Power Plus® 7M83AM™*	31 - 37	27 - 33	23 - 29
Burrus 8A12 VT2P	31 - 37	27 - 33	23 - 29
Burrus 7L11 GT	31 - 37	27 - 33	23 - 29
Power Plus® 4J90™*	31 - 37	27 - 33	23 - 29
Burrus 6R20	31 - 37	27 - 33	23 - 29
Power Plus® 6Z40™*	31 - 37	27 - 33	23 - 29
Power Plus® 7M80™*	31 - 37	27 - 33	23 - 29

GUIDE TO ACCURATE SOYBEAN PLANTING

SMALL TO NORMAL SEED SIZE			LARGE SEED SIZE	
2500 seeds per pound or greater, 56 lbs. or less per 140k unit			2500 seeds per pound or less (1800 to 2500), 56 lbs. per 140k unit or more	
John Deere Non-Vac (Finger Pickup Type Corn Planters) *1 *4 *5	Using Kinze Brush Meters – (2200 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 – (2200 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 *2 *1 *5	(2200 seeds/lb or more) Black Brush Type 60 Cell Seed Metering Plate		(2200 seeds/lb or less) Blue Brush Type 48 Cell Seed Metering Plate	
John Deere Vac Planters *3 *1 *5	Only one disc option – Vacuum setting at 8		Only one disc option – Vacuum setting at 9 (test and adjust accordingly) If feeding problems persist – remove the elbow from the hose feeding the hopper	
John Deere ExactEmergetm Meter *1 *8 Vacuum Level (in oz. water)	(3300-3100 seeds/lb) 8-10 (2900-2700 seeds/lb) 14-16	(3100-2900 seeds/lb) 10-14 (2700-2500 seeds/lb) 16-18	(2500-2300 seeds/lb) 18-19	(2300-2100 seeds/lb) 19-21
Kinze Vac Planters *2 *1 *5	Use 60 cell plate – Singular setting at 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 of 30” rows – Air pressure at 2-2.5” (2000-3500 seeds/lb) Use 852433 (60 cell) disc of 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

*8 Some seed sizes, shapes, and planting speed and seeding rate require vacuum levels be adjusted slightly

Always check the operator's manual.

GUIDE TO ACCURATE CORN PLANTING

Use the chart below for setting your planter.

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#, E pocket drum for problem sizes
Case IHC 1200 New Holland SP Series	4855 Disc for 30-70#, 4845 disc below 50#
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 New Idea 9000	852434 57-73#, 852435 42-62#, 852436 25-50#, 852437 22-33#
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

PLATELESS PLANTERS

SEED SIZE weight per 80,000 kernel unit		SURE DROP 2 under 30#	SURE DROP 3 30-39#	SURE DROP 4 40-49#	SURE DROP 5 50-59#	SURE DROP 6 60-69#	SURE DROP 7 70# and over
Burrus Xtra seed treatment (Poncho® 500 or Lumivia®)** Catalyst brand High rate Poncho (Poncho® 1250)**		BX2 HP2	BX3 F1 & R1 HP3	BX4 HP4	BX5 F2, R1, R3 HP5	BX6 HP6	BX7 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 Vacuum Inches	A43215 7-13	A43215 7-12	A43215 10-13 A50617 7-10	A50617 9-13	A50617 10-13	A50617 13-15
John Deere ExactEmergetm Vac Meter *6	Vacuum Inches	Consult manufacturer	4-8	8-10	9-13	13-15	17-20
Kinze Edge Vac *7	Disc Size Vacuum Inches *8 Singulator *8	Regular Corn Not recommended Not recommended	Regular Corn 20 8	Regular Corn 20 8	Regular Corn 20 8	Regular Corn 20 8	Regular Corn 20 5
Case IH and IHC Early Riser	Drum Hopper Pres. *4 Brush Setting	Popcorn or Corn *5 8-9 oz. 1/2 down	Popcorn 10 oz. Wire down	Corn *5 8-9 oz. Up	Corn 9-10 oz. Lt. Contact	Corn 10-12 oz. Down	Corn 12 oz. max Remove
Case IHC 1200 *7 New Holland SP Series	Disc Size Vacuum Singulator	4845 20 3 4855 18 3	4845 22 3 4855 18 3	4855 20 3	4855 20 3	4855 20 3	4855 20 3
White Air 6000 and New Idea 9000	Disc Size	852436 or 852437	852436 or 852437	852435 or 852436	852434 or 852435	852434	852434

- *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 in 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.

NEW

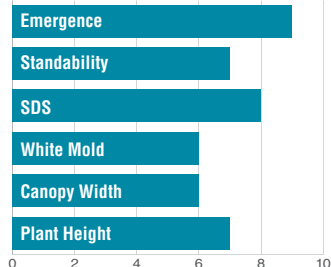
DM 20E88

Brand

**Maturity 2.0****Plant it anywhere.**

SCN source: PI88788

- Great defensive package with high yield
- Rps1c+3a genes for Phytophthora protection
- Great SDS score and BSR resistance
- Strong emergence



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

NEW

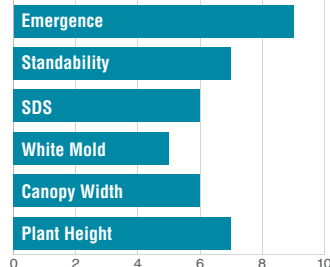
DM 23E20

Brand

**Maturity 2.3****Yield +.**

SCN source: PI88788

- Exceptional yield potential
- Excellent stress tolerance
- Above average SDS rating



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

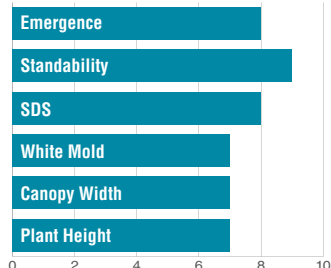
DM 2544E

Brand

**Maturity 2.5****Key player.**

SCN source: PI88788

- Key performance across locations
- Excellent standability
- Solid defense package
- Strong white mold rating and BSR score



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

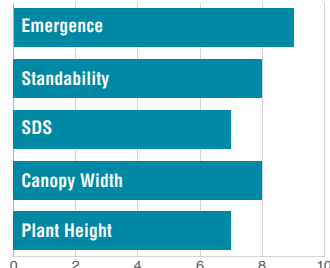
DM 2868E

Brand

**Maturity 2.8****Proven performer.**

SCN source: PI88788

- Yield above all others at this maturity
- Works everywhere
- Uniform line with nice eye appeal
- Very good Phytophthora field tolerance



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

NEW

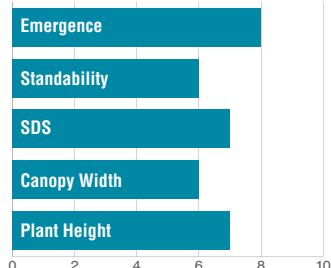
DM 32E15

Brand

**Maturity 3.2****Total package.**

SCN source: PI88788

- Top end yield performance
- Excellent BSR and above average SDS ratings
- Strong choice for all soil types



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

NEW

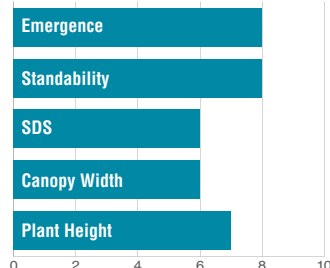
DM 34E11

Brand

**Maturity 3.4****Steady Eddy.**

SCN source: PI88788

- Good yield performance for mid-group 3 maturity
- Outstanding emergence and standability
- Excellent appearance with good defensive traits
- Untreated EZ Load boxes available



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

NEW

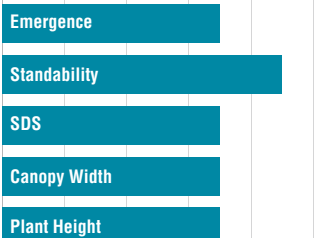
DM 36E64

Brand

**Maturity 3.6****Consistent performer.**

SCN source: PI88788

- Consistently high yielding
- Excellent emergence
- Very attractive variety



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

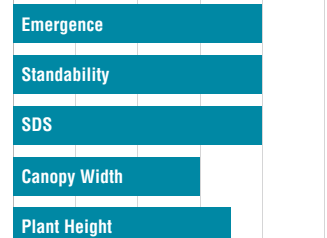
DM 3756E

Brand

**Maturity 3.7****Cha-ching.**

SCN source: PI88788

- Key variety that can excel on every farm
- Maintains height and can handle stress
- Good standability
- Untreated EZ Load boxes and bags available



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

NEW

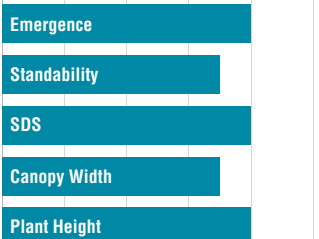
DM 3932E

Brand

**Maturity 3.9****Complete soybean package.**

SCN source: PI88788

- Comparable high yield to our best-selling 384LL
- Best-in-test defense
- Strong SDS score
- Works well for variable soil
- Untreated EZ Load boxes and bags available



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

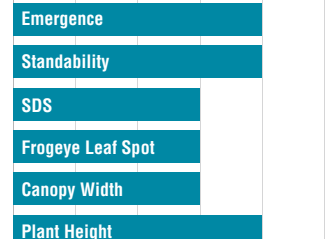
DM 41E54

Brand

**Maturity 4.1****Excels on all soil types.**

SCN source: PI88788

- Offensive variety
- Excellent standability
- Very good defensive package
- Untreated EZ Load boxes available



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE

NEW

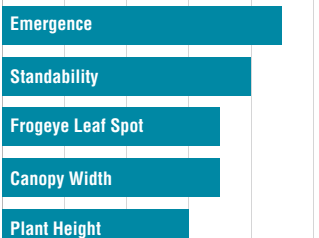
DM 42E21

Brand

**Maturity 4.2****Hard to beat.**

SCN source: PI88788

- Outstanding emergence and standability
- Top end yield performance
- STS tolerance



GLUFOSINATE

GLYPHOSATE

2,4-D CHOLINE



Enlist E3™

SOYBEANS



NEW

DM 23X87

Brand



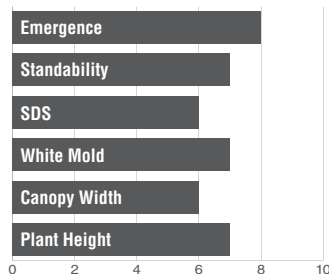
Maturity 2.3



Yield machine.

SCN source: PI88788

- Plant this for yield
- Good SDS and BSR scores
- All-around performance across many soil types



GLYPHOSATE

DICAMBA

NEW

DM 25X43

Brand



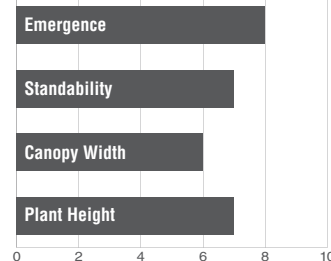
Maturity 2.5



Makes life easy.

SCN source: PI88788

- Excellent yield potential
- Great defensive package
- Rps1k gene good on Phytophthora
- Goes across all soil types



GLYPHOSATE

DICAMBA

NEW

DM 28J9X

Brand



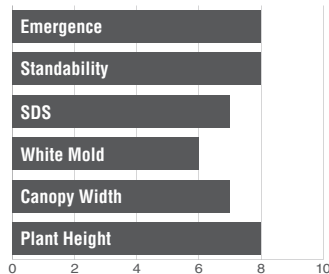
Maturity 2.8



Big yield across broad area.

SCN source: PI88788

- Defends against BSR and SDS
- Great emergence
- Light gray variety
- Top end yield potential
- Good standability
- Untreated EZ Load boxes available



GLYPHOSATE

DICAMBA

DM 34X16

Brand



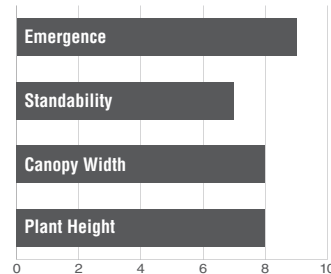
Maturity 3.4



Phenomenal yield at mid-group 3.

SCN source: PI88788

- Big plant type with above average standability
- Excellent emergence scores
- Nice yielder



GLYPHOSATE

DICAMBA



36A1X™*

Brand

Maturity 3.6

- Weed control option in mid-group 3 maturity
- Very good yield potential across soil types
- Outstanding SCN race 3 and 14 resistance
- Fantastic BSR tolerance
- 1c gene for Phytophthora with very good field tolerance

The standard bearer.

SCN source: PI88788

Trait	Score (0-10)
Emergence	8.5
Standability	8.5
SDS	6.5
Frogeye Leaf Spot	5.5
Canopy Width	7.5
Plant Height	7.5

GLYPHOSATE

DICAMBA

DM 37M3X

Brand

Maturity 3.7

- Big yield across broad area
- Consistent performance
- STS tolerance
- PS SDS recommended for improved SDS control
- Untreated EZ Load boxes and bags available

The Boss.

SCN source: PI88788

Trait	Score (0-10)
Emergence	8.5
Standability	8.5
SDS	5.5
Canopy Width	8.5
Plant Height	8.5

GLYPHOSATE

DICAMBA

DM 41P2X

Brand

Maturity 4.1

- Dominates in this maturity range
- May respond to fungicides
- Defends against SCN and root knot nematodes
- Versatile product
- Untreated EZ Load boxes available

Takes no prisoners.

SCN source: PI88788

Trait	Score (0-10)
Emergence	8.5
Standability	8.5
SDS	8.5
Frogeye Leaf Spot	5.5
Canopy Width	8.5
Plant Height	7.5

GLYPHOSATE

DICAMBA

ROUNDUP READY 2
XTEND®
SOYBEANS



NEW

347S

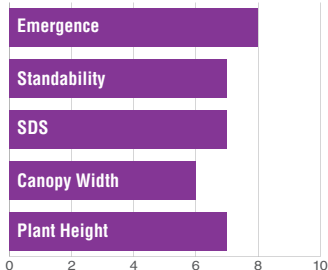
Brand

Maturity 3.4**LIBERTYLINK® GT27**

- Consistently high yielding
- Excellent east to west movement
- Attractive light tawny/tan variety

**BURRUS®****Solid choice.**

SCN source: PI88788



GLUFOSINATE

GLYPHOSATE

NEW

365S

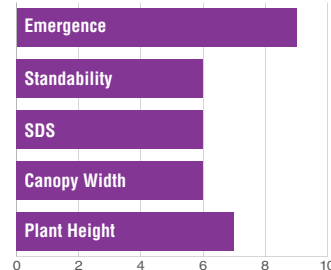
Brand

Maturity 3.6**LIBERTYLINK® GT27**

- Consistent performer
- Good defense across many soil types
- Remarkable emergence scores

**BURRUS®****One to count on.**

SCN source: PI88788



GLUFOSINATE

GLYPHOSATE

NEW

412S

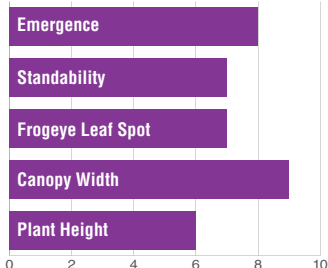
Brand

Maturity 4.1**LIBERTYLINK® GT27**

- Extraordinary yields across all soil types
- Wide plant structure that reaches canopy quickly
- Above average Frogeye rating

**BURRUS®****Leader of the pack.**

SCN source: PI88788



GLUFOSINATE

GLYPHOSATE

LIBERTYLINK®**GT27™**
**LIBERTY
LINK®**

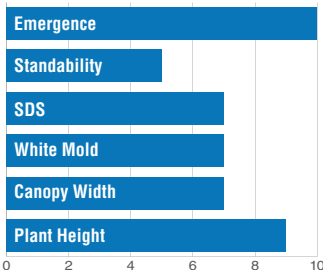
**298LL**

Brand

**Maturity 2.9**
**LIBERTY
LINK**
Tough hombre.

SCN source: PI88788

- Solid defense package
- Top yield performer across many environments
- Stands well and resists shattering
- Exceptional emergence scores
- Good SDS score
- Great southern movement
- Easy cutability



GLUFOSINATE

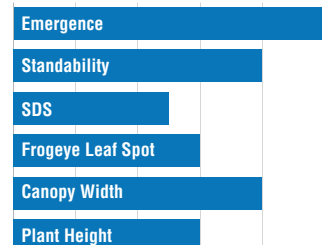
384LL

Brand

**Maturity 3.8**
**LIBERTY
LINK**
An all-star.

SCN source: PI88788

- Exceptional emergence
- High yielder
- Good Phytophthora scores
- PS SDS recommended for improved SDS control
- Untreated EZ Load boxes and bags available



GLUFOSINATE

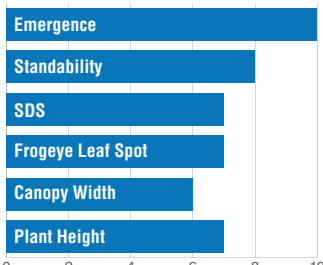
418LL

Brand

**Maturity 4.1**
**LIBERTY
LINK**
Bulletproof, versatile bean.

SCN source: PI88788

- Impressive disease package
- Outstanding emergence and standability scores
- Handles Phytophthora
- Good on BSR and SDS
- Impressive early growth and early appearance
- Untreated EZ Load boxes available



GLUFOSINATE

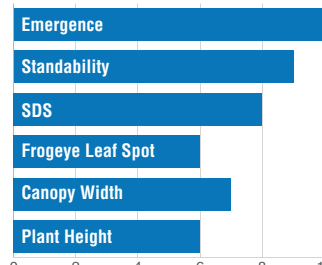
457LL

Brand

**Maturity 4.5**
**LIBERTY
LINK**
Expect results.

SCN source: PI88788

- Outstanding yields
- SCN control with great SDS scores
- Handles diverse conditions
- Great standability
- Protects against BSR
- Shorter and wider canopy
- Slower early-season growth works well going north

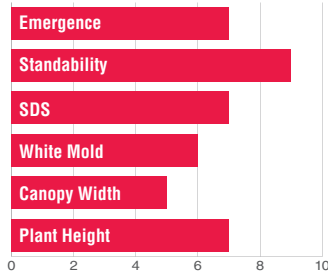


GLUFOSINATE

20B7™*
Brand**Maturity 2.0****Glyphosate**
Tolerant**Widely adapted line.**

- High yield potential
- Peking source of SCN resistance
- Well-rounded disease package
- Great harvest standability
- Very good against BSR

SCN source: Peking



GLYPHOSATE

25G8™*
Brand**Maturity 2.5****Glyphosate**
Tolerant**Yield.**

- Top yield potential in mid-group 2 maturity
- Peking source of SCN resistance
- Very good SDS ratings
- Nice disease package
- Versatile, medium plant type

SCN source: Peking

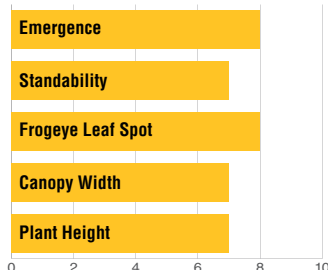


GLYPHOSATE

NEW**DM 37C2S**
Brand**Maturity 3.7****Conventional king.**

- Great choice as a conventional option
- Excellent yield capabilities
- Rps1k gene good on Phytophthora
- Manage SCN with rotation and PS SDS treatment

SCN source: None

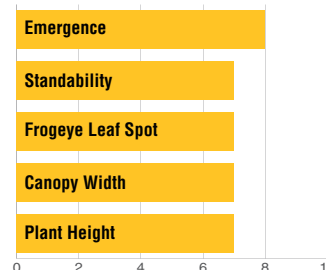


CONVENTIONAL HERBICIDES ONLY

NEW**DM 41C2S**
Brand**Maturity 4.1****Top dog.**

- Top end yield potential
- Outstanding conventional variety
- Rps1c gene for Phytophthora protection
- Manage SCN with rotation and PS SDS treatment

SCN source: None



CONVENTIONAL HERBICIDES ONLY

PowerShield® SDS logo indicates those varieties are available in individual unit bags. All varieties are available in PS SDS EZ Load boxes.



Soybean Ratings and Characteristics

Brand	Maturity	Soybean Cyst Nematode	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
ENLIST E3™															
DONMARIO DM 20E88	2.0	PI88788	9	7	NR	8	9	8	NR	6	6	6	7	8	Gray
DONMARIO DM 23E20	2.3	PI88788	9	7	NR	6	9	6	NR	5	7	6	7	7	L. Tawny
DONMARIO DM 2544E	2.5	PI88788	8	9	NR	8	9	8	NR	7	7	7	7	8	Gray
DONMARIO DM 2868E	2.8	PI88788	9	8	NR	8	9	7	NR	NR	6	8	7	8	Gray
DONMARIO DM 32E15	3.2	PI88788	8	6	NR	8	9	7	NR	NR	8	6	7	8	Gray
DONMARIO DM 34E11	3.4	PI88788	8	8	NR	7	9	6	NR	NR	NR	6	7	7	Gray
DONMARIO DM 36E64	3.6	PI88788	7	9	NR	5	NR	7	NR	NR	5	7	7	8	Tawny
DONMARIO DM 3756E	3.7	PI88788	8	8	NR	8	NR	8	NR	NR	NR	6	7	8	Gray
DONMARIO DM 3932E	3.9	PI88788	8	7	NR	9	NR	8	NR	NR	NR	7	8	8	Gray
DONMARIO DM 41E54	4.1	PI88788	8	8	NR	8	NR	6	6	NR	NR	6	8	7	Gray
DONMARIO DM 42E21	4.2	PI88788	9	8	NR	NR	NR	NR	7	NR	NR	7	6	8	Gray
ROUNDUP READY 2 XTEND®															
DONMARIO DM 23X87	2.3	PI88788	8	7	NR	6	9	6	NR	7	8	6	7	7	Gray
DONMARIO DM 25X43	2.5	PI88788	8	7	NR	7	9	NR	NR	NR	8	6	7	7	Gray
DONMARIO DM 28J9X	2.8	PI88788	8	8	NR	8	8	7	NR	6	7	7	8	8	Gray
DONMARIO DM 34X16	3.4	PI88788	9	7	NR	7	9	NR	NR	NR	7	8	8	8	L. Tawny
Power Plus® 36A1X™	3.6	PI88788	8	8	8	5	9	6	5	NR	5	7	7	7	Gray
DONMARIO DM 37M3X	3.7	PI88788	7	7	NR	7	NR	5	NR	6	6	8	8	7	L. Tawny
DONMARIO DM 41P2X	4.1	PI88788	7	7	NR	7	NR	7	5	NR	NR	8	7	8	Gray
LIBERTYLINK® GT27™															
Burrus 347S	3.4	PI88788	8	7	NR	7	NR	7	NR	NR	8	6	7	7	L. Tawny
Burrus 365S	3.6	PI88788	9	6	NR	7	NR	6	NR	NR	5	6	7	6	L. Tawny
Burrus 412S	4.1	PI88788	8	7	NR	NR	NR	NR	7	NR	NR	9	6	7	L. Tawny
LIBERTYLINK®															
Hoblit 298LL	2.9	PI88788	10	5	9	8	8	7	8	7	8	7	9	7	Gray
Hoblit 384LL	3.8	PI88788	10	8	9	8	8	5	6	7	7	8	6	7	L. Tawny
Hoblit 418LL	4.1	PI88788	10	8	9	8	8	7	7	6	7	6	7	7	L. Tawny
Hoblit 457LL	4.5	PI88788	10	9	9	8	8	8	6	NR	NR	7	6	8	L. Tawny
GLYPHOSATE TOLERANT															
Power Plus® 20B7™	2.0	Peking	7	9	8	5	8	7	9	6	5	5	7	6	L. Tawny
Power Plus® 25G8™	2.5	Peking	8	9	6	5	7	8	9	6	5	7	6	6	L. Tawny
CONVENTIONAL															
DONMARIO DM 37C2S	3.7	None	8	7	NR	8	NR	NR	8	NR	NR	7	7	7	L. Tawny
DONMARIO DM 41C2S	4.1	None	8	7	NR	7	NR	NR	7	NR	NR	7	7	7	L. Tawny

RATINGS: 10 = BEST, 1 = POOREST, NR = NOT RATED

IMPORTANT: Characteristic scores provide key information useful in selecting and managing products in your area. Information and ratings are based on comparisons with other products sold by Burrus. Information and scores are assigned by Burrus and are based on period-of-years testing through 2018 harvest and were the latest available at time of printing. Some scores may change after 2019 harvest. Scores represent an average of performance data across areas of adaptation, multiple growing conditions, and a wide range of both climate and soil types, and may not predict future results. Individual product responses are variable and subject to a variety of environmental, disease and pest pressures. Please use this information as only one component of your product positioning decision.

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The Enlist™ System – Get Control of Tough Weeds



- New 2,4-D Choline
- Glyphosate
- Glufosinate

Following burndown, Enlist Duo® and Enlist One® with Colex-D® technology are the only herbicides containing 2,4-D that are labeled for preemergence and postemergence use with Enlist E3™ soybeans.



- Convenient blend of 2,4-D choline and glyphosate
- Two modes of action to deliver control and help prevent resistance in your fields



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Ability to tank-mix with glufosinate and other qualified herbicides, customizing the ratio of herbicides to match each farm's needs

On-Target Applications

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

Seed Stewardship

On Farm Assessments

To assess insect resistance management (IRM) compliance, Burrus will use a third-party to conduct assessments for a randomly selected set of customers who purchased Bt hybrids as well as soybeans with Roundup Ready 2 Xtend® technology.

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.



Protection of Intellectual Property: PVPA and Patents

Growers must recognize they are purchasing seed solely for the purpose of producing a grain crop, and the seed, and any product from the seed, cannot be resold or used as seed.

Purchase of this seed does not transfer ownership of any Plant Variety Protection Act rights, patent rights, or other intellectual property rights associated with a soybean product. Burrus takes all measures requested by our suppliers (e.g., labeling, requiring contractual agreements with our customers) to protect the PVP and/or intellectual property rights that are related to our soybean products.

Burrus prints on all bags, tags, brochures, and order forms for each soybean product which is subject to protection under the Plant Variety Protection Act and/or Patent Act, as applicable:

Soybean products for which a PVP certificate has been issued or for which such a certificate has been applied will be labeled as such. Unauthorized sales for reproductive purposes prohibited.

For soybean product on which a U.S. patent has been issued, or for which a patent has been applied will be labeled as such.



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Seed Piracy Statement

Seed containing a patented trait can only be used to plant a single commercial crop from which seed cannot be saved and replanted. Examples of seed containing a patented trait include but are not limited to Roundup Ready 2 Yield® soybeans and Roundup Ready 2 Xtend® soybeans. Additional information and limitations on the use of these products are provided in the Monsanto Technology Stewardship Agreement, the Monsanto Technology Use Guide. U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsantotechnology.com>

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans.

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

IMPORTANT IRM INFORMATION: RIB Complete® corn blend products do not require the planting of a structured refuge **except** in the Cotton-Growing Area where corn earworm is a significant pest. **See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.**

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. **Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba.** Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your seed brand dealer or refer to the Monsanto Technology Use Guide for recommended weed control programs.

Roundup Ready technology contain genes that confer tolerance to glyphosate, an active ingredient in **Roundup® brand agricultural herbicides.** Agricultural herbicides containing glyphosate will kill crops that are not tolerant to glyphosate.

RIB Complete®, Roundup Ready 2 Technology and Design™, Roundup Ready 2 Xtend®, Roundup Ready®, SmartStax®, and VT Double PRO® are trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html).

To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Dow AgroSciences LLC (or other appropriate affiliates). In consideration of the foregoing, Dow AgroSciences grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

Always read and follow herbicide label directions prior to use: Enlist™ products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burn-down, the only 2,4-D containing herbicide products that may be used with Enlist™ crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products.

Enlist E3™ soybean seeds containing the Enlist™ trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3™ soybeans. Additional information and limitations on the use of these products are provided in the Dow AgroSciences Technology Use Agreement and Enlist™ Soybean Product Use Guide. U.S. patents for Dow AgroSciences technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html.

Dow AgroSciences is a member of Excellence Through Stewardship® (ETS). Dow AgroSciences products are commercialized in accordance with ETS product launch stewardship guidance and Dow AgroSciences Product Launch Stewardship Policy. No crop or material produced from this product can be exported to, used, processed or sold across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. For further information about your crop or grain marketing options, contact DAS at 877-4-TRAITS (877-487-2487). Information regarding the regulatory and

market status of agricultural biotechnology products can be found at: www.biotradestatus.com.

The transgenic soybean event in the Enlist E3™ soybean was jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C. ®™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of The Dow Chemical Company ("Dow") or an affiliated company of Dow. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

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Optimum AQUAmax® product performance in water-limited 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.

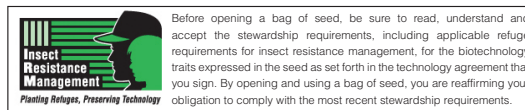
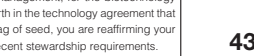
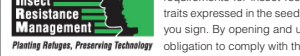
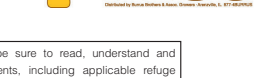
LibertyLink® Patent Statement

Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed.

LibertyLink® GT27™ soybeans offer triple stack tolerance to Liberty, glyphosate, and, pending EPA approval, the first HPPD based herbicide for soybeans. LibertyLink GT27 is not tolerant to all HPPD herbicides. HPPD herbicides currently on the market are prohibited for use with LibertyLink GT27 soybeans and may result in significant crop injury.

Always read and follow label directions. Not all products are registered for use in all states. Liberty, LibertyLink, and the Water Droplet Design are registered trademarks of BASF. GT27 is a trademark of M.S. Technologies, L.L.C. and BASF. MS Technologies is a trademark of M.S. Technologies, L.L.C. ©2019 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 18-INT-0014.

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Always Growing

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