



2024 SEED GUIDE



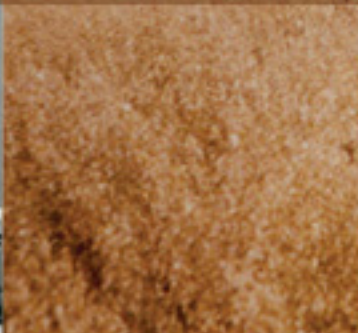
GROWING



THE



AMERICAN



SPIRIT

SINCE 1963



MUSTANG SEEDS



**60
YEARS
STRONG**

**AND JUST
GETTING STARTED**



**PLANT
WITH
PRIDE**





2024 SEED GUIDE

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KEEPING AMERICA UNTAMED

SINCE 1963

1963

Ray Schultz started a new venture in Madison, South Dakota. In 1963, he and his wife, Marlys, developed the Mustang Seed brand after purchasing a farm and Domestic Seed and Supply Inc.



As row crops became more adapted for western Corn Belt states, Ray Schultz added seed corn and soybeans to Mustang Seeds' product line. The company also expanded into additional ag retail services, including fertilizer.

1970s

1990s

Ray and Marlys Schultz's youngest son, Terry, joined Mustang Seeds after graduating from college. After Roundup® Ready soybeans were introduced in 1996, Mustang Seeds built a large-scale, state-of-the-art soybean cleaning plant in 1998 in Madison, South Dakota.





In 2008, Mustang acquired Coyote Brand seeds and began to serve Coyote Seed customers—old and new—with top-quality alfalfa, small grain, and specialty seeds.

2000s

2010s

Mustang Seeds divested its ag retail division in 2010 to focus solely on seed. The company expanded its distribution network, increasing its trade territory to the Canadian border. In 2012, they opened a northern distribution warehouse near Casselton, North Dakota. As seed treatments became a big part of the seed industry, Mustang Seeds added on-demand seed treatment centers in Casselton and Madison. Mustang Seeds continued to thrive and expanded in 2017 to include Red Horse Crop Insurance.



2019

Mustang enters a partnership with GDM that secures top genetics and breeding for Mustang Seeds. A new company, Red Horse Seed Production, Inc., is created to handle operations for and distribution of all seed products.



Mustang Seeds celebrates 60 years and renews our commitment to serve American farmers as a trusted seed and trait partner. Toward that mission, in June of 2023 Midland Genetics became part of Mustang Seeds under the GDM family of brands. This new alignment allows Mustang to expand our territory into Kansas and Missouri and helps us move toward exciting new things.

2023





Sixty years ago, the idea of starting a family-owned seed company in Madison, South Dakota was planted in the mind of my father, Ray Schultz. That idea grew from humble beginnings and flourished across the Midwest thanks to hard work, strong partnerships and a dedication to technology and the latest advancements within the seed industry.

While we started with the mission of providing quality small grains to area farmers, we adapted our product line over the years to offer a full line of corn, soybeans, alfalfa, cover crops, grasses, and small grains. We also expanded our business across six different states, partnering with over 200 dealers located in South Dakota, North Dakota, Minnesota, Iowa, Nebraska and Wisconsin.

But we didn't stop there.

Today, Mustang Seeds reaches a new milestone in our journey to fulfill our mission and vision. Our partnership with GDM enables us to expand our footprint into Kansas and Missouri through a recent partnership between GDM & Midland Genetics, an independently owned company in Kansas that shares our mission, vision, and values. This new alignment will help us move toward exciting new things.

As we move forward as an even bigger, better Mustang Seeds, we remain committed to our family-owned business, our Mustang Seeds brand and valued partners like you. Our legacy runs deep, and our dreams are alive with the American Spirit. Thank you for supporting those dreams through the years, and for allowing us to support yours.

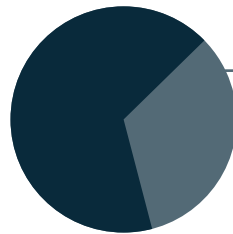
A handwritten signature in black ink that reads "Terry Schultz".

Terry Schultz | CEO

LEADERSHIP TEAM

Shown on the left, Terry Schultz, CEO of Mustang Seeds, Inc., has many years of experience and has proved to be a strong leader. Terry continues to create opportunities that contribute to the success of the company, its customers and its employees. In the middle, Dale Nelson, Corn & Soybean Production Manager, has over 30 years of experience with Mustang Seeds. As a reputable leader in the industry, he is driven by customer needs and dealer growth. Shown on the right, Mason Roerig, Soybean Product Manager, has experience in agronomy sales across the region and enjoys working side by side with growers to continue to elevate Mustangs soybean portfolio.

TERRY SCHULTZ*CEO***DALE NELSON***CORN PRODUCT
MANAGER***MASON ROERIG***SOYBEAN PRODUCT
MANAGER*



Over 41% of the world's soybean acres **CONTAIN GDM GENETICS.**

GDM RESEARCH STATION IN DES MOINES, IA

GDM is a global company born in Argentina which celebrated its 40th anniversary in 2022 and today operates in more than 15 countries around the world. As a leader in plant genetics, they are focused on the genetic improvement of soybean varieties and other extensive crops in order to obtain the highest yield.

Since 2019, united by our values and family origin, GDM and Mustang Seeds created a partnership to help boost the commercial network of the SD-based company by adding a new source of elite germplasm for its entire sales area.

GDM owns 16 experimental stations in different territories. Testing for this station in the highly competitive Des Moines area began in 2020. The station opened in 2021 and on May 19, 2023 moved into a brand new 25,000 square feet facility.

This station oversees 105,000 plots spread out across 25 different locations. Des Moines completely manages six locations, which comprises 80,000 of the 105,000 plots. This station's focus is early group 2s to late group 2s with a primary focus on yield, SCN Resistance, Phytophthora Resistance, Frogeye Leaf Spot resistance and IDC tolerance.

Faithful to GDM's DNA, Des Moines is keenly focused on maximizing yield for the American farmer.





coreystrom@mustangseeds.com

RED HORSE CROP INSURANCE

Corey Strom has been a licensed Crop Insurance Agent since 2003. Along with being a Crop Insurance Agent, he was a Mustang Seeds District Sales Manager for 6 years. In 2017, Mustang Seeds established its own crop insurance division known as Red Horse Crop Insurance (RHCI). Corey took on the role of being our lead agent. He has the knowledge and experience to provide you with the coverage to protect your seed decisions throughout the whole season. Red Horse Crop Insurance offers Multi-Peril Crop Insurance (MPCI), Hail and Pasture Range Forage (PRF) and Livestock Risk Protection (LRP). Mustang Seeds has a team of licensed agents to serve you: James Duenow, Arlington, MN and Nick Findlay, Beardsley, MN. You can expect a family-owned experience when doing business with RHCI!

Mission Statement: Red Horse Crop Insurance is a reputable provider of crop insurance that strives to provide growers with a line of protection against multiple perils. We bring experience and professional top-notch dedication to your operation.



Red Horse Crop Insurance and The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

CLIMATE
FIELDVIEW™



When it comes to intelligent farming, Precision Ag Specialist Tyler Strahl provides valuable insight and data analysis to help you make smart decisions across every acre. Tyler has a degree in Precision Agriculture from South Dakota State University and knows how to help maximize yields and increase your bottom line through:

- **Variable field prescriptions**
- **Data analysis**
- **Field mapping and data transfer**
- **Professional drone imagery**

Tyler provides high-level service to farmers in a way that's understandable and relevant to the way you manage your operation. His focus on variable rate prescriptions can drive agronomic and economic results, saving you time and money. He is passionate about agriculture and committed to making a positive impact in the industry with the latest tools, information and technology available.



TYLER STRAHL

PRECISION AG SPECIALIST

605.661.6592

TYLERSTRAHL@MUSTANGSEEDS.COM

MUSTANG LOCATIONS & RESEARCH STATIONS



CORPORATE HEADQUARTERS 1021 SW 10th St., Madison, SD 57042 | 605.256.6529 | 800.952.3234



CASSELTON WAREHOUSE

4044 155th Ave SE, Durbin, ND 58059
701.347.0054



MITCHELL WAREHOUSE

24635 404th Ave, Loomis, SD 57301
605.496.5072



IRENE WAREHOUSE

29705 453rd Ave, Irene, SD 57037
605.553.2123



BEARDSLEY WAREHOUSE

86195 St Hwy 28, Beardsley, MN 56211
320.808.4577



ADA WAREHOUSE

903 West 1st Ave S, Ada, MN 56510
218.368.5314

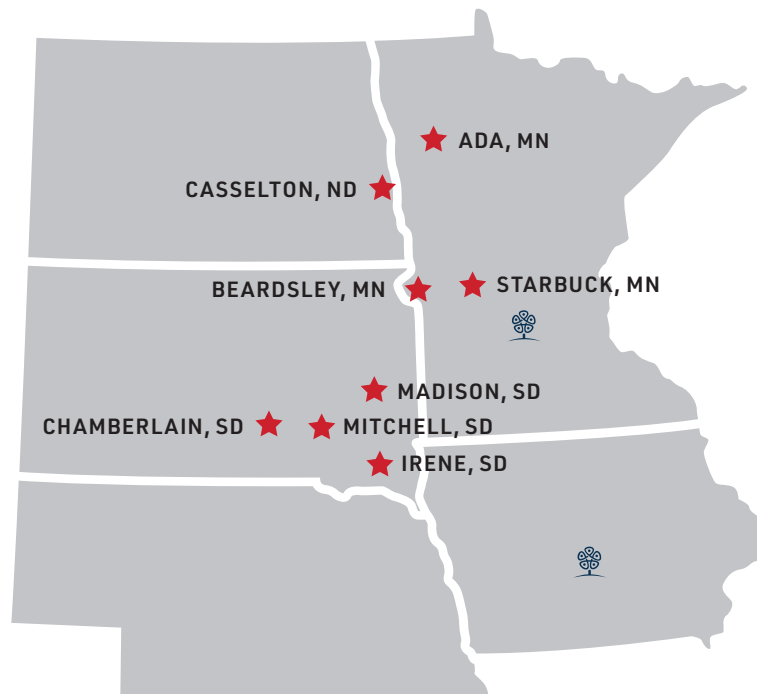
STARBUCK, MN OPENING IN 2024

808 Industrial Drive, Starbuck, MN 56381
320.805.0282



CHAMBERLAIN WAREHOUSE

25206 344th Ave, Chamberlain, SD 57325
605.680.504



 = GDM RESEARCH CENTER



JOHN DEERE FINANCIAL

John Deere Financial Preferred Agricultural Customers† are eligible to choose from the following programs for purchase of Mustang seed corn, soybeans and alfalfa: *Seasonal Terms (Variable Interest Rate)

Mustang Seeds offers John Deere Financing on small grains and forages.

A 5% service charge will be applied.



FINANCING THAT CAN LOWER YOUR COST PER ACRE

Experience better cash flow, greater flexibility and savings throughout the season by using your trusted Multi-Use Account to buy now and pay after harvest on the seed and crop protection products you need.

For John Deere Financial Disclaimer info, see page 39.

SCAN THE INPUT FINANCE CALCULATOR



InputFinanceCalc.com



2024 SEED FINANCING

Mustang Seeds is partnering with Rabo AgriFinance to offer convenient financing options for your 2024 Mustang Seeds purchase.







- Apply online at Grower.RaboAg.com or contact your Mustang Seeds Representative for an application.
- If you have any questions or need assistance please contact the Rabo AgriFinance Customer Support Team at 1-888-395-8505 or email QuickLink@RaboAg.com



*Subject to Rabo AgriFinance credit approval, terms, and conditions. Some specific rates may be tied to the prime rate. Prime Rate means for any day the highest rate published from time to time in the "Money Rates" section of the Wall Street Journal as the Prime Rate for that day (or, if the Wall Street Journal is not available, any other authoritative source of that rate selected by the Lender).

CONTACT YOUR DSM FOR PROGRAM DETAILS.



	<p>The Agrisure® GT trait provides tolerance to in-crop applications of glyphosate-based herbicides. This hybrid is an excellent option for refuge acres in a structured refuge operation.</p>
	<p>The Agrisure Artesian® GTA trait stack brings together an elite hybrid, which converts water to grain more efficiently than other hybrids, with tolerance to in-crop applications of glyphosate-based herbicides resulting in season-long water optimization, and more consistent production and profit potential. This hybrid is an excellent option for refuge acres in a structured refuge field.</p>
	<p>The DuracadeViptera™ trait stack is the industry's most comprehensive solution for proactively protecting yield potential and field health, featuring multiple modes of action to control 16 key insects—more than any competitive trait stack—including a unique mode of action that demonstrates strong performance against corn rootworm, and the convenience of an integrated E-Z Refuge® seed blend.</p>
	<p>The Agrisure Artesian® GTA/LL trait stack brings together an elite hybrid, which converts water to grain more efficiently than other hybrids, as well as herbicide flexibility with both glyphosate and glufosinate tolerance—resulting in season-long water optimization, and more consistent production and profit potential. This hybrid is an excellent option for refuge acres in a structured refuge field.</p>
	<p>Roundup Ready® Corn 2 contains in-plant tolerance to Roundup® brand herbicides, enabling growers to spray Roundup® brands over the top, from planting through the V8 stage or 30-inch corn height, with excellent crop safety and no yield reduction. Compared to popular conventional corn programs, the Roundup Ready® Corn 2 system costs less, while allowing hybrids to reach their maximum yield potential.</p>
	<p>VT Double PRO® RIB Complete® Corn Blend is a mix of 95% traited and 5% refuge seed. With refuge-in-a-bag, there's no need to calculate or plant separate, structured refuge in the Corn-Growing Area. It contains dual modes of action for maximum protection against corn earworm and other above-ground pests, like European and Southwestern corn borers and fall armyworm.</p>
	<p>DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend contain the first double stacked trait with dual modes of action for above ground insects and maximum protection against corn earworm. Superior genetics along with innovative drought-tolerant trait technology helps DroughtGard® Hybrids withstand drought conditions for a better chance of maximizing kernels per ear and overall yield potential.</p>
	<p>SmartStax® RIB Complete® Corn Blend is a mix of 95% Bt. traited, 5% refuge seed. You get all the benefits of SmartStax® technology, plus the convenience of 5% refuge seed interspersed in every bag. It has proven to have a 10 bu/A advantage over non-Bt. traited corn and a 20 bu/A advantage over non-Bt. treated corn + a soil-applied insecticide.</p>
	<p>Trecepta® RIB Complete® Products with Trecepta® Technology contain Cry1A.105, Cry2Ab2 and Vip3Aa20 from Bt. that together control European corn borer, southwestern corn borer, southern cornstalk borer, corn earworm, fall armyworm, stalk borer, sugarcane borer, beet armyworm, true armyworm, black cutworm, western bean cutworm, lesser cornstalk borer and dingy cutworm. Products containing this technology also contain Roundup Ready® 2 Technology that provides tolerance to in-crop applications of labeled glyphosate herbicides when applied according to label directions.</p>
	<p>SmartStax® PRO corn products combine the proven benefits of SmartStax® technology with an additional RNAi-based mode of action (MOA) to provide three modes of action (MOA) for corn rootworm control. Both SmartStax and SmartStax PRO technologies provide three B.t. MOA (Cry1A.105, Cry2Ab2 and Cry1F) for European corn borer, Southwestern corn borer, and fall armyworm protection. Additionally, they have two MOA for corn earworm and one MOA for technologies also have glyphosate and glufosinate herbicide tolerance.</p>



CORN

BRAND	MATURITY	GDU TO MATURITY	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	PRODUCTIVE SOIL	MARGINAL SOIL	SEEDLING VIGOR	STALK RATING	ROOT RATING	FLOWER DATE	CORN ON CORN	GOSS'S WILT
2278 VT2P RIB	78	2010	MT	M	F	M-H	E	VG	VG	VG	VG	M	R	G
2282 VT2P RIB	82	1970	MS	M	SF	M-H	G	G	VG	G	VG	M	NR	N/A
2081 RR	81	1970	MS	M	SF	M-H	G	G	VG	G	VG	M	NR	N/A
2082 RR	82	2100	MT	MH	SF	M-H	VG	VG	E	VG	VG	M	R	BA
4282 VT2P RIB	82	2061	MT	M	SD	M	E	G	VG	G	VG	M	NR	AVG
4082 RR	82	2061	MT	M	SD	M	E	G	VG	G	VG	M	NR	AVG
2283 VT2P RIB	83	2100	M	M	F	M-MH	VG	E	VG	E	VG	N/A	R	VG
2083 RR	83	2100	M	M	F	M-MH	VG	E	VG	E	VG	N/A	R	VG
2285 VT2P RIB	85	2150	MT	M	SF	M-MH	E	E	G	VG	VG	M	NR	G
8150 GTA	86	2100	MT	M	SF	M-H	E	VG	VG	VG	G	M	NR	G
3287 VT2P RIB	87	2110	MT	M	SF	M-H	E	G	VG	VG	G	M	NR	AVG
0387 CONV.	87	2110	MT	M	SF	M-H	E	G	VG	VG	G	M	NR	AVG
2288 VT2P RIB	88	2180	M	M	F	MH-H	VG	VG	VG	VG	VG	M	R	G
2290 VT2P RIB	90	2260	MT	MH	F	M-H	G	E	E	G	AVG	E	R	BA
2291 VT2P RIB	91	2225	M	M	SF	M-MH	E	E	E	VG	E	M	N	AVG
0290 CONV.	90	2225	M	M	SF	M-MH	E	E	E	VG	E	M	N	AVG
41691 GTA-LL	91	2300	MT	M	SF	L-H	E	E	E	VG	AVG	ME	R	E
4291 VT2P RIB	91	2290	T	M	SF	M-H	VG	E	G	G	G	M	R	VG
8200 RR	92	2280	T	MH	SF	MH-H	E	G	G	AVG	AVG	M	NR	BA
3292 VT2P RIB	92	2280	MT	M	SF	MH-H	E	G	E	VG	VG	L	NR	AVG
3092 RR	92	2280	MT	M	SF	MH-H	E	G	E	VG	VG	L	NR	AVG
0292 CONV.	92	2280	MT	M	SF	MH-H	E	G	E	VG	VG	L	NR	AVG
48894 SS RIB	94	2340	M	M	SD	MH	E	AVG	G	VG	VG	M	WF	G
3294 VT2P RIB	94	2290	MT	M	SF	M-MH	E	AVG	G	G	G	M	R	G
0994 CONV.	94	2290	MT	M	SF	M-MH	E	AVG	G	G	G	M	R	G
5294 VT2P RIB	94	2285	M	M	SF	M-MH	G	VG	G	G	VG	M	NR	VG
4295 VT2P RIB	95	2300	M	ML	D	M-H	E	G	G	VG	VG	M	R	G
0995 CONV.	95	2300	M	ML	D	M-H	E	G	G	VG	VG	M	R	G
NEW 49C95 SS PRO RIB	95	2320	M	M	SF	M	VG	VG	G	VG	VG	M	R	G
3795 VT2P DG RIB	95	2325	MT	MH	F	L-M	G	E	VG	G	G	ME	NR	AVG

LATE SEASON HEALTH	DRY DOWN	TEST WEIGHT	KERNEL ROWS	COB COLOR	HUSK COVER	STAY GREEN	MINIMUM TILLAGE	SILAGE	GRAY LEAF	NORTHERN LEAF BLIGHT	DROUGHT TOLERANCE	BRAND
G	E	VG	14-16	Red	G	VG	VG	N/A	G	VG	VG	2278 VT2P RIB
AVG	G	G	14-16	Pink	S	AVG	VG	N/A	N/A	VG	VG	2282 VT2P RIB
AVG	G	G	14-16	Pink	S	AVG	VG	N/A	N/A	VG	VG	2081 RR
AVG	G	VG	16-18	Red	G	G	VG	N/A	VG	VG	VG	2082 RR
G	VG	G	16-18	Red	G	G	VG	N/A	AVG	G	G	4282 VT2P RIB
G	VG	G	16-18	Red	G	G	VG	N/A	AVG	G	G	4082 RR
G	G	G	16-18	Red	G	VG	VG	N/A	VG	VG	VG	2283 VT2P RIB
G	G	G	16-18	Red	G	VG	VG	N/A	VG	VG	VG	2083 RR
G	VG	G	18-20	Red	G	VG	G	NO	AVG	G	G	2285 VT2P RIB
VG	AVG	AVG	16-18	Red	G	G	G	YES	G	G	G	8150 GTA
VG	G	G	18-20	Red	L	VG	VG	NO	AVG	G	AVG	3287 VT2P RIB
VG	G	G	18-20	Red	L	VG	VG	NO	AVG	G	AVG	0387 CONV.
G	G	VG	16-18	Red	G	G	VG	NO	G	VG	G	2288 VT2P RIB
AVG	G	AVG	18-20	Red	G	G	E	YES	G	VG	VG	2290 VT2P RIB
G	VG	G	18-20	Red	G	G	E	NO	AVG	VG	G	2291 VT2P RIB
G	VG	G	18-20	Red	G	G	E	NO	AVG	VG	G	0290 CONV.
VG	G	AVG	18-20	Red	G	G	E	YES	VG	VG	VG	41691 GTA-LL
G	G	G	16-18	Red	G	AVG	G	NO	AVG	G	VG	4291 VT2P RIB
G	AVG	E	16-18	Pink	G	AVG	G	YES	AVG	AVG	VG	8200 RR
G	G	G	16-18	Red	G	G	E	YES	G	VG	VG	3292 VT2P RIB
G	G	G	16-18	Red	G	G	E	YES	G	VG	VG	3092 RR
G	G	G	16-18	Red	G	G	E	YES	G	VG	VG	0292 CONV.
VG	VG	AVG	16-18	Red	G	VG	G	NO	AVG	VG	AVG	48894 SS RIB
AVG	G	G	18-20	Red	G	AVG	G	NO	AVG	AVG	G	3294 VT2P RIB
AVG	G	G	18-20	Red	G	AVG	G	NO	AVG	AVG	G	0994 CONV.
VG	VG	VG	16-18	Red	G	G	G	NO	G	G	AVG	5294 VT2P RIB
G	G	VG	16-18	Red	G	AVG	G	YES	AVG	AVG	VG	4295 VT2P RIB
G	G	VG	16-18	Red	G	AVG	G	YES	AVG	AVG	VG	0995 CONV.
G	VG	G	16-18	Red	S	G	G	N/A	G	G	G	49C95 SS PRO RIB
VG	VG	E	16-18	Red	S	AVG	VG	YES	AVG	AVG	VG	3795 VT2P DG RIB

NEW





BRAND	MATURITY	GDU TO MATURITY	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	PRODUCTIVE SOIL	MARGINAL SOIL	SEEDLING VIGOR	STALK RATING	ROOT RATING	FLOWER DATE	CORN ON CORN	GOSS'S WILT
NEW 43M96 TRE RIB	96	2360	M	M	SF	L-M	E	VG	G	VG	VG	M	NR	G
4296 VT2P RIB	96	2360	M	M	SF	M-MH	VG	E	E	VG	E	ML	NR	AVG
4096 RR	96	2360	M	M	SF	M-MH	VG	E	E	VG	E	ML	NR	AVG
0996 CONV.	96	2360	M	M	SF	M-MH	VG	E	E	VG	E	ML	NR	AVG
4397 TRE RIB	97	2410	MT	MH	F	M-MH	E	G	G	G	E	L	R	G
5898 SS RIB	98	2410	MT	M	SF	M	VG	G	G	E	G	M	R	G
67498 VT2P DG RIB	98	2390	MT	M	SF	M-MH	G	E	VG	VG	G	M	NR	AVG
6298 VT2P RIB	98	2430	M	M	SF	M-MH	E	G	VG	G	VG	M	NR	G
NEW 48J99 SS RIB	99	2410	M	M	SF	L-M	VG	VG	VG	G	VG	M	R	G
62600 VT2P RIB	100	2450	MT	M	SF	M	E	E	E	VG	VG	M	NR	AVG
5700 VT2P DG RIB	100	2350	M	M	SF	M-MH	G	E	E	E	VG	ME	NR	VG
0100 CONV.	100	2350	M	M	SF	M-MH	G	E	E	E	VG	ME	NR	VG
52500 VT2P RIB	100	2440	MS	M	SF	M	G	E	E	VG	VG	M	NR	VG
5200 VT2P RIB	100	2400	M	M	SF	M-MH	E	G	AVG	G	G	M	R	AVG
5800 SS RIB	100	2400	M	M	SF	M-MH	E	G	AVG	G	G	M	R	AVG
5000 GT	100	2530	MT	MH	SF	M-MH	VG	VG	VG	VG	G	M	E	G
78801 SS RIB	101	2420	MT	M	SF	M	E	E	G	G	AVG	ME	WF	AVG
NEW 59H02 SS PRO RIB	102	2425	M	M	SF	M	VG	VG	VG	VG	VG	ME	R	G
5102D DV	102	2475	T	MH	SF	M-H	VG	G	VG	G	G	M	NR	VG
7803 SS RIB	103	2490	MT	M	SF	M-MH	VG	G	VG	G	G	M	WF	VG
7203 VT2P RIB	103	2420	MT	M	SF	M-MH	VG	G	VG	G	G	M	WF	VG
0703 CONV.	103	2420	MT	M	SF	M-MH	VG	G	VG	G	G	M	WF	VG
NEW 53N04 TRE RIB	104	2650	MT	MH	SF	L-M	VG	VG	VG	G	G	M	NR	G
87304 VT2P DG RIB	104	2600	MT	MH	F	L-MH	E	E	VG	VG	G	L	R	VG
78505 SS RIB	105	2580	MT	MH	SF	M	E	VG	G	AVG	AVG	M	WF	AVG
78706 SS RIB	106	2585	MT	MH	SF	MH-H	VG	VG	VG	AVG	AVG	M	NR	E
NEW 69F07 SS PRO RIB	107	2525	M	M	SD	M-MH	VG	VG	VG	VG	VG	M	WF	G
8207 VT2P RIB	107	2600	MT	M	SF	M-H	E	VG	AVG	G	G	M	R	G
NEW 82308 VT2P RIB	108	2610	MT	M	SF	MH-H	E	VG	VG	VG	E	M	R	VG
7208 VT2P RIB	108	2610	MT	M	F	M-MH	E	G	G	AVG	G	L	R	G

LATE SEASON HEALTH	DRY DOWN	TEST WEIGHT	KERNEL ROWS	COB COLOR	HUSK COVER	STAY GREEN	MINIMUM TILLAGE	SILAGE	GRAY LEAF	NORTHERN LEAF BLIGHT	DROUGHT TOLERANCE	BRAND
VG	VG	VG	16-18	Red	G	VG	G	YES	AVG	AVG	G	43M96 TRE RIB NEW
G	AVG	VG	16-18	Red	G	G	E	NO	AVG	G	VG	4296 VT2P RIB
G	AVG	VG	16-18	Red	G	G	E	NO	AVG	G	VG	4096 RR
G	AVG	VG	16-18	Red	G	G	E	NO	AVG	G	VG	0996 CONV.
G	AVG	AVG	16-18	Red	G	VG	G	YES	G	G	G	4397 TRE RIB
VG	G	VG	16-18	Red	G	G	G	YES	G	VG	AVG	5898 SS RIB
VG	VG	G	16-18	Pink	G	G	VG	YES	AVG	G	G	67498 VT2P DG RIB
VG	E	G	16-18	Red	G	G	VG	N/A	G	G	G	6298 VT2P RIB
G	VG	VG	18-20	Red	G	G	VG	NO	G	G	G	48J99 SS RIB NEW
VG	E	VG	16-18	Red	L	AVG	E	YES	AVG	AVG	VG	62600 VT2P RIB
VG	G	AVG	16-18	Red	L	G	E	NO	AVG	G	VG	5700 VT2P DG RIB
VG	G	AVG	16-18	Red	L	G	E	NO	AVG	G	VG	0100 CONV.
VG	VG	VG	14-16	Red	G	G	E	YES	G	AVG	VG	52500 VT2P RIB
AVG	AVG	AVG	18-20	Red	G	G	AVG	YES	G	VG	G	5200 VT2P RIB
AVG	AVG	AVG	18-20	Red	G	G	AVG	YES	G	VG	G	5800 SS RIB
VG	G	G	16-18	Red	G	G	VG	NO	AVG	AVG	VG	5000 GT
VG	G	AVG	16-18	Red	G	VG	G	YES	AVG	G	VG	78801 SS RIB
G	G	G	16-18	Red	G	G	VG	YES	G	AVG	G	59H02 SS PRO RIB NEW
G	G	VG	16-18	Red	G	AVG	VG	NO	G	G	G	5102D DV
G	G	VG	14-16	Red	S	VG	VG	NO	AVG	G	G	7803 SS RIB
G	G	VG	14-16	Red	S	VG	VG	NO	AVG	G	G	7203 VT2P RIB
G	G	VG	14-16	Red	S	VG	VG	NO	AVG	G	G	0703 CONV.
AVG	VG	AVG	18-20	Red	G	AVG	VG	YES	G	VG	VG	53N04 TRE RIB NEW
G	VG	G	16-18	Red	G	G	VG	NO	VG	G	VG	87304 VT2P DG RIB
AVG	G	AVG	14-16	Red	G	AVG	G	YES	AVG	AVG	G	78505 SS RIB
G	VG	G	16-18	Red	G	G	VG	YES	AVG	G	G	78706 SS RIB
G	G	G	16-18	Red	G	AVG	VG	N/A	G	AVG	G	69F07 SS PRO RIB NEW
G	G	AVG	16-18	Red	G	G	AVG	YES	VG	VG	VG	8207 VT2P RIB
G	G	VG	16-18	Red	G	G	VG	N/A	VG	VG	N/A	82308 VT2P RIB NEW
G	VG	G	16-18	Red	G	VG	G	NO	VG	VG	G	7208 VT2P RIB





BRAND	MATURITY	GDU TO MATURITY	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	PRODUCTIVE SOIL	MARGINAL SOIL	SEEDLING VIGOR	STALK RATING	ROOT RATING	FLOWER DATE	CORN ON CORN	GOSS'S WILT
9209 VT2P RIB	109	2500	M	M	SF	M-MH	VG	AVG	VG	AVG	VG	M	NR	AVG
9311 TRE RIB	111	2700	M	MH	SD	M-MH	E	VG	G	G	G	M	NR	G
NEW 79R12 SS PRO RIB	112	2680	MT	M	SD	M	E	VG	AVG	VG	VG	ML	R	VG
NEW 97113 VT2P DG RIB	113	2705	M	M	SF	M-MH	E	VG	G	VG	VG	M	NR	G

CONVENTIONAL

0482 CONV.	82	2061	MT	M	SD	M	E	G	VG	G	VG	M	NR	AVG
0387 CONV.	87	2110	MT	M	SF	M-H	E	G	VG	VG	G	M	NR	AVG
0290 CONV.	90	2225	M	M	SF	M-MH	E	E	E	VG	E	M	R	AVG
0292 CONV.	92	2280	MT	M	SF	MH-H	E	G	E	VG	VG	L	NR	AVG
0994 CONV.	94	2290	MT	M	SF	M-MH	E	AVG	G	G	G	M	R	G
0995 CONV.	95	2400	M	M	D	M-H	E	G	G	VG	VG	M	NR	G
0996 CONV.	96	2360	M	M	SF	M-MH	VG	E	E	VG	E	ML	R	AVG
0997 CONV.	97	2490	MT	M	F	M-H	VG	VG	AVG	G	G	M	NR	G
0100 CONV.	100	2450	M	M	SF	M-MH	G	E	E	E	VG	ME	WF	VG
0703 CONV.	103	2420	MT	M	SF	M-MH	VG	G	VG	G	G	M	WF	VG

LEAFY CORN

SI095 RR	95		T	M	F	L-M	E	VG	VG	G	VG	N/A	NR	E
SI100 RR	100		T	M	F	L-M	E	VG	VG	G	VG	N/A	NR	E
SI100 CONV.	100		T	M	F	L-M	E	VG	VG	G	VG	N/A	NR	E
SI103 RR	103		T	M	F	L-M	E	VG	VG	G	VG	N/A	NR	E



LATE SEASON HEALTH	DRY DOWN	TEST WEIGHT	KERNEL ROWS	COB COLOR	HUSK COVER	STAY GREEN	MINIMUM TILLAGE	SILAGE	GRAY LEAF	NORTHERN LEAF BLIGHT	DROUGHT TOLERANCE	BRAND
AVG	AVG	AVG	16-18	Pink	L	AVG	VG	N/A	AVG	G	G	9209 VT2P RIB
G	G	G	16-18	Red	G	AVG	G	N/A	AVG	G	AVG	9311 TRE RIB
G	G	G	16-18	Red	G	AVG	AVG	NO	G	G	G	79R12 SS PRO RIB NEW
VG	VG	VG	16-18	Pink	G	AVG	G	N/A	G	G	AVG	97113 VT2P DG RIB NEW

CONVENTIONAL

G	VG	G	16-18	Red	G	G	VG	N/A	AVG	G	G	0482 CONV.
VG	G	G	18-20	Red	L	VG	VG	NO	AVG	G	AVG	0387 CONV.
G	VG	G	18-20	Red	G	G	E	NO	AVG	VG	G	0290 CONV.
G	G	G	16-18	Red	G	G	E	YES	G	VG	VG	0292 CONV.
AVG	G	G	18-20	Red	G	AVG	G	NO	AVG	AVG	G	0994 CONV.
G	G	VG	16-18	Red	G	AVG	G	YES	AVG	AVG	VG	0995 CONV.
G	AVG	VG	16-18	Red	G	G	E	NO	AVG	G	VG	0996 CONV.
VG	AVG	AVG	16-18	Red	G	VG	AVG	YES	VG	G	VG	0997 CONV.
VG	G	AVG	16-18	Red	L	G	E	NO	AVG	G	VG	0100 CONV.
G	G	VG	14-16	Red	S	VG	VG	NO	AVG	G	G	0703 CONV.

LEAFY CORN

N/A	BA	BA	14-16	White	G	AVG	VG	YES	N/A	VG	VG	SI095 RR
N/A	BA	BA	14-16	Red	G	AVG	VG	YES	N/A	VG	VG	SI100 RR
N/A	BA	BA	14-16	Red	G	AVG	VG	YES	N/A	VG	VG	SI100 CONV.
N/A	BA	BA	14-16	White	G	AVG	VG	YES	N/A	VG	VG	SI103 RR





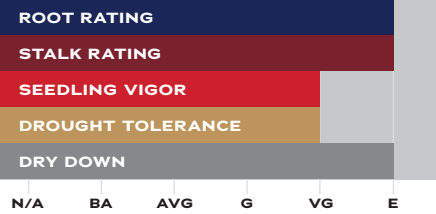
CORN

2278 VT2P RIB

78 DAY

GDU-BL	Ear Type	Plant Height
2010	F	MT

- Fast dry down, big yields
- Very strong emergence
- Excellent stalk and root strength



2282 VT2P RIB

82 DAY

Also available as: 2081 RR

GDU-BL	Ear Type	Plant Height
1970	SF	MS

- Shorter plant stature leaving less crop residue
- Very good test weight and early plant vigor
- Very good stalk and root strength
- Has good northern movement

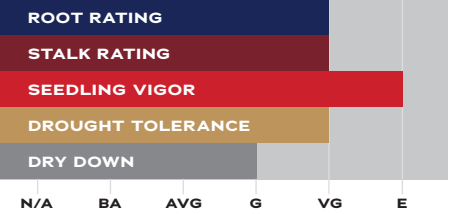


2082 RR

82 DAY

GDU-BL	Ear Type	Plant Height
2100	SF	MT

- Widely adaptable hybrid on productive soil to marginal soil
- Good flex with girthy ears and very good test weight
- Excellent seedling vigor with very good stalk and roots



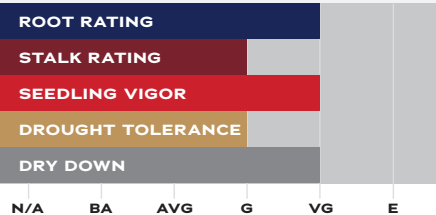
4282 VT2P RIB

82 DAY

Also available as: 4082 RR

GDU-BL	Ear Type	Plant Height
2061	SD	MT

- Very good early plant vigor with good stalks and very good roots
- Medium-tall plant with medium ear placement
- Very good dry down and defensive agronomics
- Attractive looking late season appearance



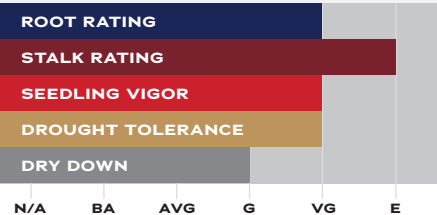
2283 VT2P RIB

83 DAY

Also available as: 2083 RR

GDU-BL	Ear Type	Plant Height
2100	F	M

- Unique Goss's rating for maturity
- Impressive performance in our testing
- Strong emergence and seedling vigor
- This is a great yielding 83 day

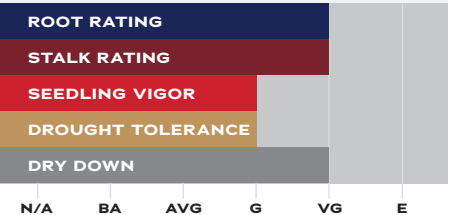


2285 VT2P RIB

85 DAY

GDU-BL	Ear Type	Plant Height
2150	SF	MT

- This is a very adaptable hybrid in ideal to tough environments
- Very good roots and stalks
- Semi-flex ear with good test weight
- 85 day hybrid that you are going to want to look at for planting

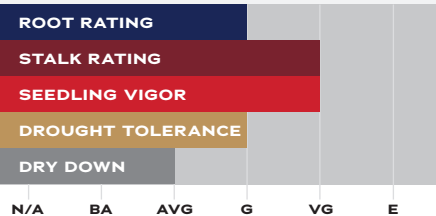


8150 GTA

86 DAY

GDU-BL	Ear Type	Plant Height
2100	SF	MT

- This hybrid will move west to east
- Very high yields with very good agronomics
- Can be a good choice in productive to less productive soils



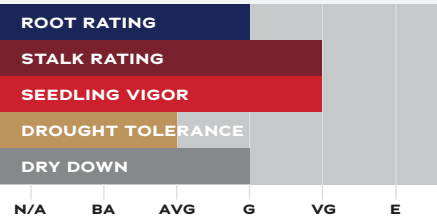
3287 VT2P RIB

87 DAY

Also available as: 0387 CONV.

GDU-BL	Ear Type	Plant Height
2110	SF	MT

- Excellent top-end yield with this medium-tall hybrid
- Very good early season vigor
- Very good stalk rating with girthy style ear
- This hybrid has proven to be a great performer

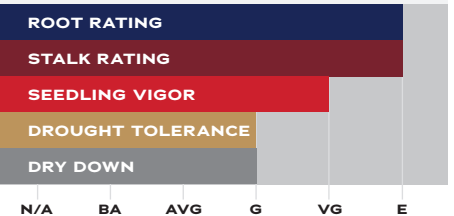


2288 VT2P RIB

88 DAY

GDU-BL	Ear Type	Plant Height
2180	F	M

- Excellent roots and stalks on this hybrid
- Loves good soil and higher populations
- Medium stature corn with above average Goss's Wilt tolerance



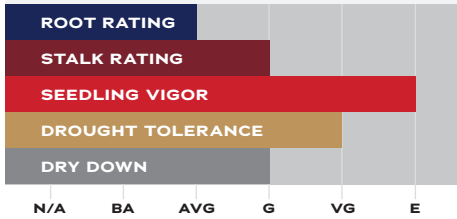


2290 VT2P RIB

90 DAY

GDU-BL	Ear Type	Plant Height
2260	F	MT

- Early flower with impressive early vigor
- Great performance across varying yield environments
- Hybrid displays good southern movement
- Excellent plot and field performance



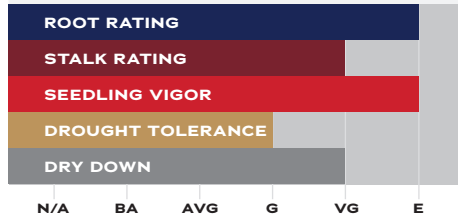
2291 VT2P RIB

91 DAY

Also available as: 0290 CONV.

GDU-BL	Ear Type	Plant Height
2225	SF	M

- Tolerates cold soil with strong emergence and early plant vigor
- RM Zone: In zone and has good western movement
- Very high yielding hybrid and will handle stress

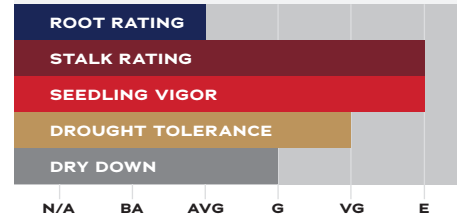


41691 GTA-LL

91 DAY

GDU-BL	Ear Type	Plant Height
2300	SF	MT

- Wide range of planting populations, low to high
- Outstanding emergence and seedling vigor
- Excellent stalk strength
- Glufosinate and Glyphosate tolerant

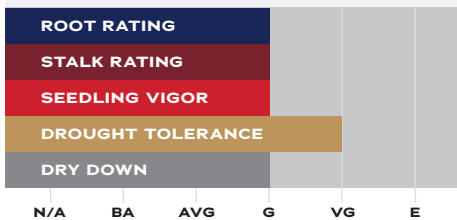


4291 VT2P RIB

91 DAY

GDU-BL	Ear Type	Plant Height
2290	SF	T

- Semi-flex ear and dual-purpose hybrid
- Very good drought tolerance, avoid poorly drained soils
- Outstanding yield potential
- Proven hybrid and consistent performance

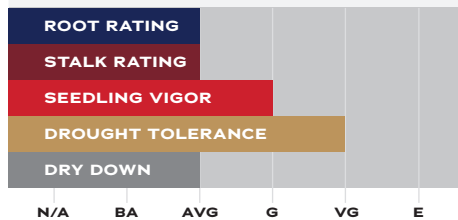


8200 RR

92 DAY

GDU-BL	Ear Type	Plant Height
2280	SF	T

- Excellent choice for dual-purpose
- Nice grain quality and flex ear
- Keep in zone for best performance



3292 VT2P RIB

92 DAY

Also available as: 3092 RR, 0292 CONV.

GDU-BL	Ear Type	Plant Height
2280	SF	MT

- Excellent early vigor with semi-flex ear style
- Performs under highly productive or moderately productive soils
- Very strong yields and an option for silage use

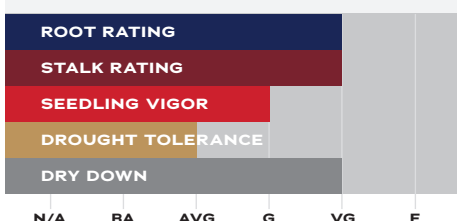


48894 SS RIB

94 DAY

GDU-BL	Ear Type	Plant Height
2340	SD	M

- Very good stalks and roots
- Hybrid offers nice high yield potential
- Nice stay green and intactness



3294 VT2P RIB

94 DAY

Also available as: 0994 CONV.

GDU-BL	Ear Type	Plant Height
2290	SF	MT

- Excellent choice for the high yield acres
- Medium-tall plant that has good drought tolerance
- Semi-flex type ear



VT Double PRO® RIB Complete® = VT2P RIB
 Roundup Ready® Corn 2 = RR
 SmartStax® RIB Complete = SS RIB
 SmartStax® PRO RIB Complete® = SS PRO RIB
 DroughtGard® Hybrids with VT Double PRO® RIB Complete® = VT2P DG RIB
 Trecepta® RIB Complete® = TRE RIB
 DuracadeViptera™ = DV
 Agrisure® GT = GT
 Agrisure Artesian® GTA-LL = GTA-LL
 Conventional = CONV.

- E** | Excellent
- VG** | Very Good
- G** | Good
- AVG** | Average
- BA** | Below Average
- N/A** | Not Available



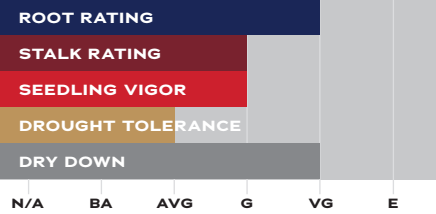
CORN

5294 VT2P RIB

94 DAY

GDU-BL	Ear Type	Plant Height
2285	SF	M

- Good flex in hybrid to allow medium to higher plant populations
- Solid agronomics and has good western movement
- Best placed on well drained soils, very good dry down



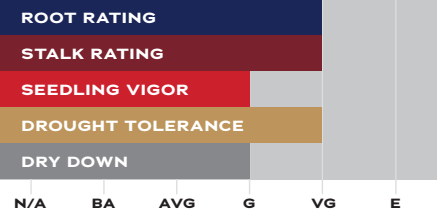
4295 GTA

95 DAY

Also available as: 0995 CONV.

GDU-BL	Ear Type	Plant Height
2300	D	M

- Good Goss's Wilt tolerance
- Handles drought type conditions well
- Nice late season health with good test weight

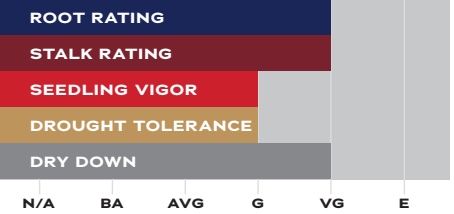


49C95 SS PRO RIB NEW

95 DAY

GDU-BL	Ear Type	Plant Height
2320	SF	M

- Medium plant height with semi-flex ears Husk cover allows fast dry down
- Best performance in zone or north of zone
- Good green snap tolerance for western movement

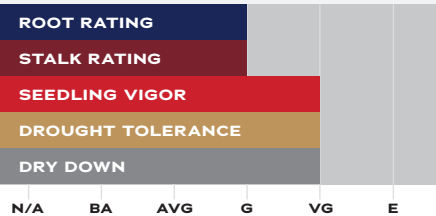


3795 VT2P DG RIB

95 DAY

GDU-BL	Ear Type	Plant Height
2325	F	MT

- 95 day hybrid with very good flex
- This hybrid will handle the low productive acre
- Very good drought tolerance and green snap ratings
- Solid hybrid with dual-purpose potential

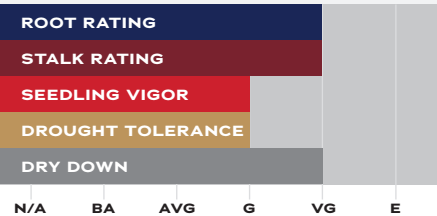


43M96 TRE RIB NEW

96 DAY

GDU-BL	Ear Type	Plant Height
2360	SF	M

- Very good flex allowing lower planting populations
- Very good green snap and Goss's Wilt for broad placement
- Very good stalks and roots along with drought tolerance
- Very nice late season stay green



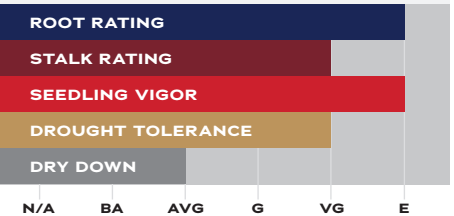
4296 VT2P RIB

96 DAY

Also available as: 4096 RR, 0996 CONV.

GDU-BL	Ear Type	Plant Height
2360	SF	M

- Excellent early vigor for early planting or reduced tillage acres
- Semi-flex ear type with very good stalk and excellent roots
- Very good drought tolerance and late season health
- Excellent top-end yield, will move north and south of zone

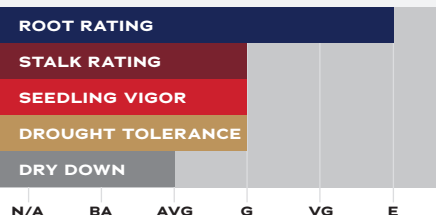


4397 TRE RIB

97 DAY

GDU-BL	Ear Type	Plant Height
2410	F	MT

- Later flowering hybrid with average dry down
- Large girthy ears, with good root and stalk rating
- Good Goss's Wilt rating, corn on corn would be an option
- Robust plant for grain and dual-purpose option

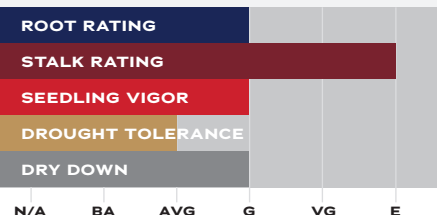


5898 SS RIB

98 DAY

GDU-BL	Ear Type	Plant Height
2410	SF	MT

- Very high yield potential
- This robust plant will serve as dual-purpose
- Very strong performance competing with 100-day hybrids

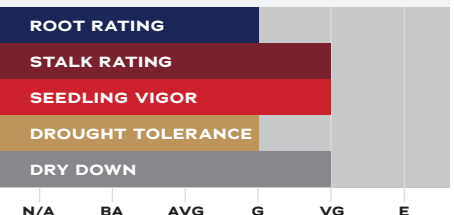


67498 VT2P DG RIB

98 DAY

GDU-BL	Ear Type	Plant Height
2390	SF	MS

- Nice agronomics for reduced tillage acres
- A consistent hybrid with girthy ears
- Very good yield and dual-purpose use
- Hybrid will handle variable soils with fast dry down



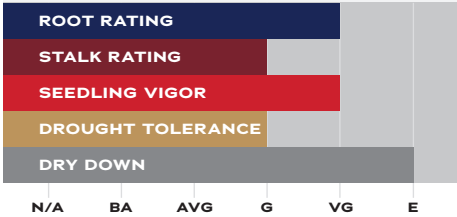


6298 VT2P RIB

98 DAY

GDU-BL	Ear Type	Plant Height
2430	SF	M

- Nice flex on this hybrid allowing medium to higher populations
- Very nice late season health and dry down
- Very good plant vigor and roots
- Very good yield potential east to west

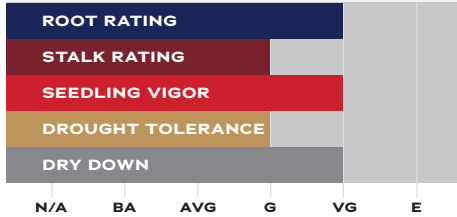


48J99 SS RIB NEW

99 DAY

GDU-BL	Ear Type	Plant Height
2410	SF	M

- Hybrid handles different yield environments
- Will move north of zone
- Good option for corn-on-corn acres
- Strong performance under drought

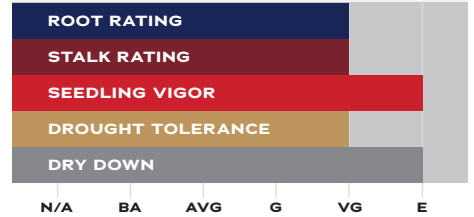


62600 VT2P RIB

100 DAY

GDU-BL	Ear Type	Plant Height
2450	SF	MT

- Very good agronomics for wide placement
- Very good drought tolerance
- Top-end yield potential with this hybrid
- Avoid ground with Goss's history



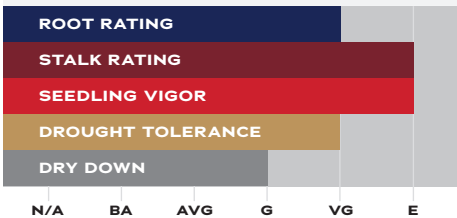
5700 VT2P DG RIB

100 DAY

Also available as: 0100 CONV.

GDU-BL	Ear Type	Plant Height
2350	SF	M

- Excellent choice on those variable or tough corn acres
- Very good drought tolerance, medium plant height
- Excellent early season growth
- This hybrid gains more acres every year with its performance



52500 VT2P RIB

100 DAY

GDU-BL	Ear Type	Plant Height
2440	SF	MS

- Very good Goss's Wilt tolerance
- Excellent early plant vigor, with great top-end yield
- Great choice for your tough and variable ground
- Medium-short hybrid maintains height in stress conditions



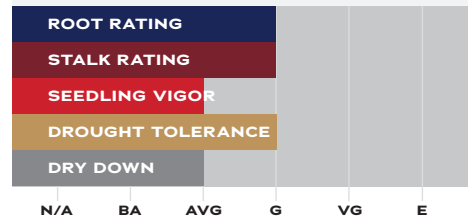
5200 VT2P RIB

100 DAY

Also available as: 5800 SS RIB

GDU-BL	Ear Type	Plant Height
2400	SF	M

- Big girthy ear with very big yields
- Makes a great companion with our proven 5700VT2P/DG/RIB
- Very good choice for high yielding corn acre
- Medium statured corn with very good standability

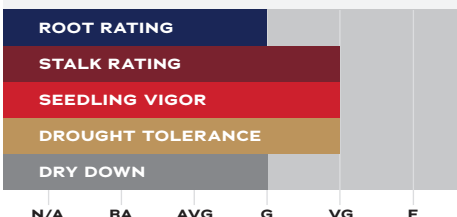


5000 GT

100 DAY

GDU-BL	Ear Type	Plant Height
2530	SF	MT

- Hybrid with a very broad adaptability
- Will work well on corn-on-corn acres
- Semi-flex ear with good stalk strength on this medium-tall plant

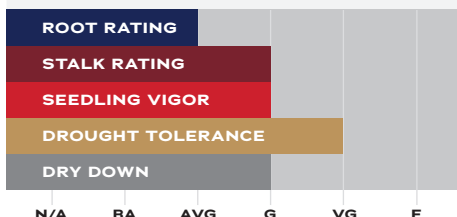


78801 SS RIB

101 DAY

GDU-BL	Ear Type	Plant Height
2420	SF	MT

- Ear flex allows for variable population rates
- Very good late season health and stay green
- MT hybrid with M ear height, good dual-purpose hybrid
- Great fit for MN, WI, and IA corn growers



VT Double PRO® RIB Complete® = VT2P RIB
 Roundup Ready® Corn 2 = RR
 SmartStax® RIB Complete = SS RIB
 SmartStax® PRO RIB Complete® = SS PRO RIB
 DroughtGard® Hybrids with VT Double PRO® RIB Complete® = VT2P DG RIB
 Trecepta® RIB Complete® = TRE RIB
 DuracadeViptera™ = DV
 Agrisure® GT = GT
 Agrisure Artesian® GTA-LL = GTA-LL
 Conventional = CONV.

E | Excellent
VG | Very Good
G | Good
AVG | Average
BA | Below Average
N/A | Not Available



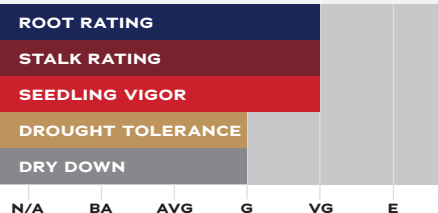
CORN

59H02 SS PRO RIB NEW

102 DAY

GDU-BL	Ear Type	Plant Height
2425	SF	M

- Above average Tar Spot Complex
- Good standability with good green snap tolerance
- Good dual-purpose hybrid
- Hybrid excels in ideal and variable environments



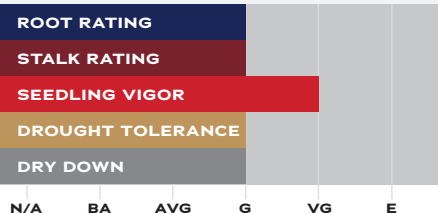
N/A BA AVG G VG E

51020 DV

102 DAY

GDU-BL	Ear Type	Plant Height
2475	SF	T

- Very adaptable hybrid able to move in and out of zone
- Very healthy taller plant hybrid
- Excellent test weight and yields to match



N/A BA AVG G VG E

7803 SS RIB

102 DAY

Also available as: 7203 SS RIB, 0703 CONV.

GDU-BL	Ear Type	Plant Height
2490	SF	MT

- Very good Goss's Wilt tolerance, with long semi-flex ears
- Excellent early vigor for early plant or minimum tillage
- Very good stalk and roots and very good test weight



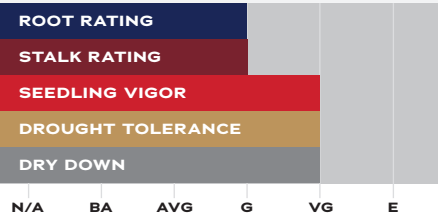
N/A BA AVG G VG E

53N04 TRE RIB NEW

104 DAY

GDU-BL	Ear Type	Plant Height
2650	SF	MT

- Very good hybrid east or west
- Medium-tall hybrid for a good silage option
- Very good agronomic package with this hybrid
- Dry down rating very good



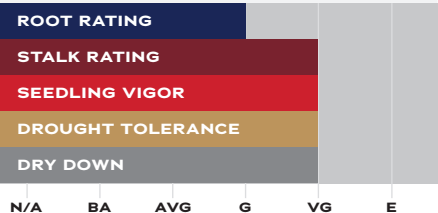
N/A BA AVG G VG E

87304 VT2P DG RIB

104 DAY

GDU-BL	Ear Type	Plant Height
2600	F	MT

- Adapts to all soil types with good late season health
- Flex hybrid in length for added yield
- Excellent Goss's tolerance
- Flowers late with fast dry down



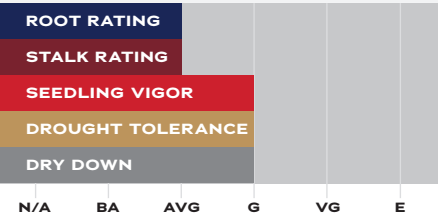
N/A BA AVG G VG E

78505 SS RIB

105 DAY

GDU-BL	Ear Type	Plant Height
2580	SF	MT

- Exceptional yield potential, will respond to extra nitrogen
- Good Tar Spot rating
- Manages to avoid Goss's Wilt acres
- Best placement eastern MN and WI



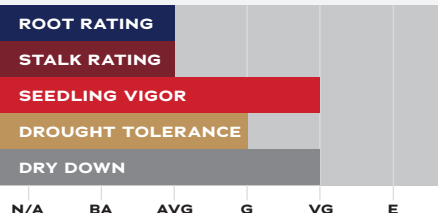
N/A BA AVG G VG E

78706 SS RIB

106 DAY

GDU-BL	Ear Type	Plant Height
2585	SF	MT

- Good drought tolerance with excellent Goss's rating
- Very good yields and a good silage option
- Very good early vigor with fast dry down
- Very good test performance in 2021



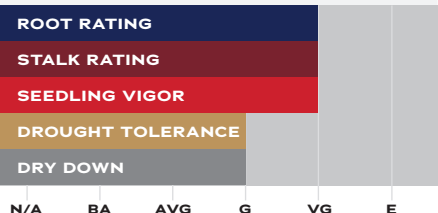
N/A BA AVG G VG E

69F07 SS PRO RIB NEW

107 DAY

GDU-BL	Ear Type	Plant Height
2525	SD	M

- Very good roots, stalks and green snap scores
- Good movement east to west
- Fungicide best with corn-on-corn acres
- Will handle all soil types with good drought tolerance



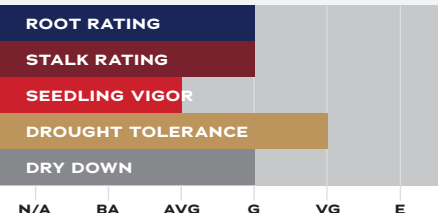
N/A BA AVG G VG E

8207 VT2P RIB

107 DAY

GDU-BL	Ear Type	Plant Height
2600	SF	MT

- Impressive disease tolerance
- Strong roots and stalk
- Has very good southern movement
- Excellent top-end yield



N/A BA AVG G VG E

82308 VT2P RIB NEW

108 DAY

GDU-BL	Ear Type	Plant Height
2610	SF	MT

- Very adaptable to a wide range of environments
- High yield potential
- Very nice disease package
- Moves south well

ROOT RATING	[Bar chart: G to E]				
STALK RATING	[Bar chart: G to E]				
SEEDLING VIGOR	[Bar chart: G to E]				
DROUGHT TOLERANCE	[Bar chart: G to E]				
DRY DOWN	[Bar chart: G to E]				

N/A BA AVG G VG E

7208 VT2P RIB

108 DAY

GDU-BL	Ear Type	Plant Height
2610	F	MT

- Loves top-end yield environments and proves it in yield
- Later flower hybrid but very fast dry down
- Best placement on medium to better soils
- Very solid agronomics with this hybrid

ROOT RATING	[Bar chart: G to E]				
STALK RATING	[Bar chart: G to E]				
SEEDLING VIGOR	[Bar chart: G to E]				
DROUGHT TOLERANCE	[Bar chart: G to E]				
DRY DOWN	[Bar chart: G to E]				

N/A BA AVG G VG E

9209 VT2P RIB

109 DAY

GDU-BL	Ear Type	Plant Height
2500	SF	M

- Great yield potential
- Moves east and west well
- Very good seedling vigor and green snap tolerance

ROOT RATING	[Bar chart: G to E]				
STALK RATING	[Bar chart: G to E]				
SEEDLING VIGOR	[Bar chart: G to E]				
DROUGHT TOLERANCE	[Bar chart: G to E]				
DRY DOWN	[Bar chart: G to E]				

N/A BA AVG G VG E

9311 TRE RIB

111 DAY

GDU-BL	Ear Type	Plant Height
2700	SD	M

- Very good green snap tolerance and Goss's Wilt Rating
- Yields will excel in highly productive fields
- Very adaptable east to west hybrid
- Exciting new hybrid with the new Trecepta trait

ROOT RATING	[Bar chart: G to E]				
STALK RATING	[Bar chart: G to E]				
SEEDLING VIGOR	[Bar chart: G to E]				
DROUGHT TOLERANCE	[Bar chart: G to E]				
DRY DOWN	[Bar chart: G to E]				

N/A BA AVG G VG E

79R12 SS PRO RIB NEW

112 DAY

GDU-BL	Ear Type	Plant Height
2680	SD	MT

- Very high top-end yields
- Very good stalks and roots
- Excellent grain and a dual-purpose option
- Very good Goss's Wilt rating

ROOT RATING	[Bar chart: G to E]				
STALK RATING	[Bar chart: G to E]				
SEEDLING VIGOR	[Bar chart: G to E]				
DROUGHT TOLERANCE	[Bar chart: G to E]				
DRY DOWN	[Bar chart: G to E]				

N/A BA AVG G VG E

97113 VT2P DG RIB NEW

113 DAY

GDU-BL	Ear Type	Plant Height
2705	SF	M

- Great choice for on high yielding corn acre
- Medium plant height with very nice late season appearance
- Very high yield potential
- Very good test weight

ROOT RATING	[Bar chart: G to E]				
STALK RATING	[Bar chart: G to E]				
SEEDLING VIGOR	[Bar chart: G to E]				
DROUGHT TOLERANCE	[Bar chart: G to E]				
DRY DOWN	[Bar chart: G to E]				

N/A BA AVG G VG E



"The reason we started doing business with Mustang Seeds, and will continue to do business with Mustang Seeds is because we aren't just a number in their business portfolio. Everyone at Mustang is invested in your operation. They genuinely care about your fields and take a personal interest in the day to day operations. Product performance is just a bonus to the overall relationship!"

Joel Heilman
Seed Solutions
Roscoe, SD

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- Conventional = CONV.

- E** | Excellent
- VG** | Very Good
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- AVG** | Average
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- N/A** | Not Available





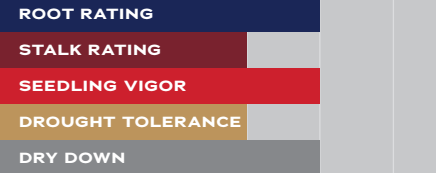
CORN

0482 CONV.

82 DAY

GDU-BL	Ear Type	Plant Height
2061	SD	MT

- Very good early plant vigor with good stalks and very good roots
- Medium-tall plant with medium ear placement
- Very good dry down and defensive agronomics
- Attractive looking late season appearance



N/A BA AVG G VG E

0387 CONV.

87 DAY

GDU-BL	Ear Type	Plant Height
2110	SF	MT

- Excellent top-end yield with this medium-tall hybrid
- Very good early season vigor
- Very good stalk rating with girthy style ear
- This hybrid is proving to be a great performer



N/A BA AVG G VG E

0290 CONV.

90 DAY

GDU-BL	Ear Type	Plant Height
2225	SF	M

- Very good drought tolerant hybrid
- Tolerates cold soil with strong emergence and early plant vigor
- RM Zone: In Zone and has good western movement



N/A BA AVG G VG E

0292 CONV.

92 DAY

GDU-BL	Ear Type	Plant Height
2280	SF	MT

- Very strong yields and an option for silage use
- Excellent early vigor with semi-flex ear style
- Performs under highly productive or moderately productive soils



N/A BA AVG G VG E

0994 CONV.

94 DAY

GDU-BL	Ear Type	Plant Height
2290	SF	MT

- Excellent choice for the high yield acres
- Medium-tall plant that has good drought tolerance
- Semi-flex ear type



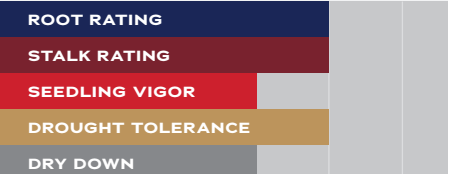
N/A BA AVG G VG E

0995 CONV.

95 DAY

GDU-BL	Ear Type	Plant Height
2400	D	M

- Great selection for your 95-day needs
- Proven performing hybrid with many trait options
- Handles several different soil and environmental conditions
- Nice late season health with good test weight



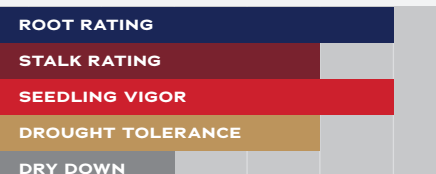
N/A BA AVG G VG E

0996 CONV.

96 DAY

GDU-BL	Ear Type	Plant Height
2360	SF	M

- Excellent early vigor for early planting or reduced tillage acres
- Semi-flex ear type with very good stalk and excellent roots
- Very good drought tolerance and late season health
- Excellent top-end yield, will move north and south of zone



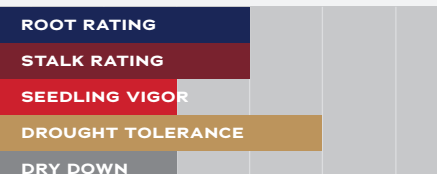
N/A BA AVG G VG E

0997 CONV.

97 DAY

GDU-BL	Ear Type	Plant Height
2490	F	MT

- Very good late season health and stay green
- Excellent Goss's Wilt tolerance with very good roots and stalk
- Performs well in a wide range of yield environments
- Has natural synthetic corn borer tolerance



N/A BA AVG G VG E

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 Conventional = CONV.

E | Excellent
VG | Very Good
G | Good
AVG | Average
BA | Below Average
N/A | Not Available

0100 CONV.
100 DAY

GDU-BL	Ear Type	Plant Height
2450	SF	M

- Excellent choice on those variable or tough corn acres
- Very good drought tolerance, medium plant height
- Attractive fall appearance
- Excellent early season growth

ROOT RATING	STALK RATING	SEEDLING VIGOR	DROUGHT TOLERANCE	DRY DOWN
VG	VG	VG	VG	VG

N/A BA AVG G VG E

0703 CONV.
103 DAY

GDU-BL	Ear Type	Plant Height
2420	SF	MT

- Very good Goss's Wilt tolerance, with long semi-flex ears
- Excellent early vigor for early plant or minimum tillage
- Very good stalk and roots and very good test weight

ROOT RATING	STALK RATING	SEEDLING VIGOR	DROUGHT TOLERANCE	DRY DOWN
VG	VG	VG	VG	VG

N/A BA AVG G VG E



CORN SIZING AND RATING

LARGER SEED, HEAVIER DROP			SMALLER SEED, LIGHTER DROP		
F11	F12	F13	F14	F15	F16
R21	R22	R23	R24	R25	R26

Mustang Seed sizes each hybrid up to 4 Grades sizes, 2 Flats and 2 Rounds.

Seed size of each grade size will remain consistent, however, weight will vary between hybrids and growing condition of each hybrid.

RATING SCALE	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	FLOWER DATE	CORN ON CORN	HUSK COVER
1-5, 1 = EXCELLENT	S = SHORT	L = LOW	F = FLEX	L = LOWER	E = EARLY	R = RECOMMENDED	S = SHORT
N/A = NOT AVAILABLE	MS = MEDIUM-SHORT	M = MEDIUM	SF = SEMI-FLEX	M = MEDIUM	M = MEDIUM	NR = NOT RECOMMENDED	G = GOOD
	M = MEDIUM	H = HIGH	D = DETERMINATE	H = HIGH	L = LATE	WF = WITH FUNGICIDE	L = LONG
	MT = MEDIUM-TALL		SD = SEMI-DETERMINATE				
	T = TALL						

SI095 RR

95 DAY

Ear Type F	Plant Height T	
<ul style="list-style-type: none"> • Good agronomic package • Tall plant with excellent tonnage • Will move east or west 		
ROOT RATING STALK RATING SEEDLING VIGOR DROUGHT TOLERANCE DRY DOWN		
N/A BA AVG G VG E		

SI100 RR

100 DAY

Also available as: SI100 CONV.

Ear Type F	Plant Height T	
<ul style="list-style-type: none"> • Very good early vigor and drought tolerance • Good roots and stalks • Tall hybrid with medium ear placement 		
ROOT RATING STALK RATING SEEDLING VIGOR DROUGHT TOLERANCE DRY DOWN		
N/A BA AVG G VG E		

SI103 RR

103 DAY

Ear Type F	Plant Height T	
<ul style="list-style-type: none"> • Very good tonnage • Tall hybrid with full canopy • Larger girthy semi-flex ears 		
ROOT RATING STALK RATING SEEDLING VIGOR DROUGHT TOLERANCE DRY DOWN		
N/A BA AVG G VG E		

TIPS AND BENEFITS FOR LEAFY CORN:

PLANT:

Plant at 28,00-30,000 ppa and never mix with a non-leafy in the field. Other hybrid types require higher populations, have shorter harvest windows and will produce vitreous kernels that require a longer ensiling period. Always plant different hybrid types in separate blocks.

CHOP:

Once your leafy corn reaches 50% milk line and 65% plant moisture, it is time to chop. If using a kernel processor, ease off. A leafy corn's kernels are designed to break and it is essential to retain effective fiber for rumen function. Monitor kernels during chopping and find the balance. Making shredlage is an excellent option as well. Apply the inoculate of your choice.

STORE:

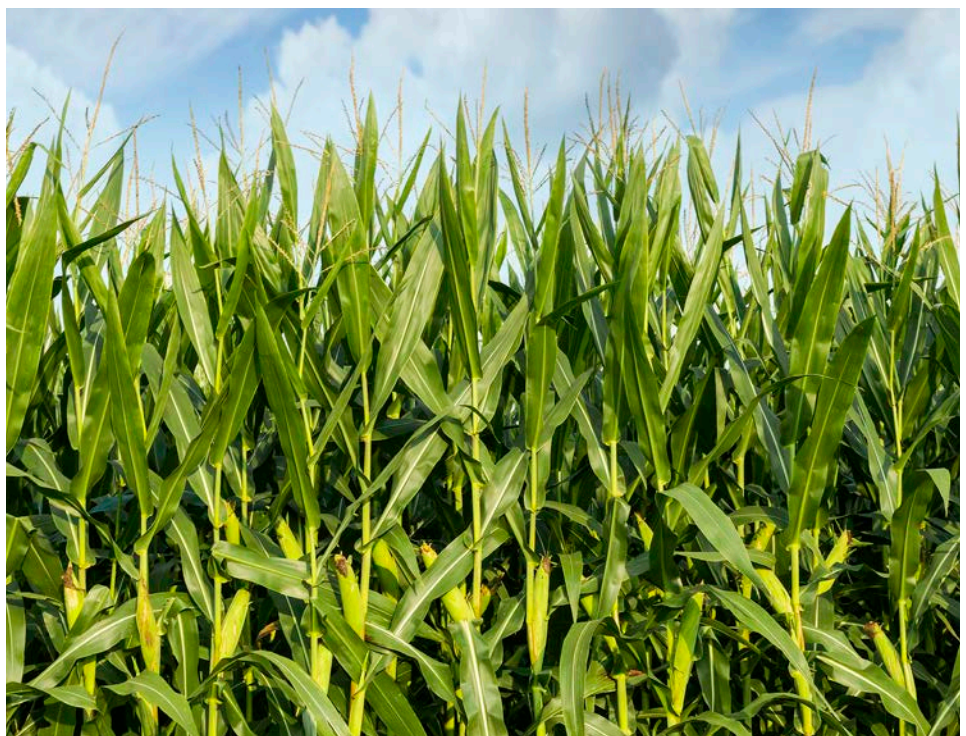
Leafy corn generally contains a higher quantity of sugars in the stalk and leaves at harvest. These sugars improve ensiling speed and quality. Starch fractures easily into small particles during harvest and cow chewing, so new crop silage can be fed as soon as fermentation is complete.

FEED:

Leafy silage is versatile and can be balanced in various ration types. Expect your leafy corn to have 5-7% more starch digestibility than a dual-purpose hybrid. When moving a herd from a conventional or a BMR to a leafy corn, reduce concentrate corn and slowly increase as required. Eliminate straw. Watch your herd and adjust the rations as needed.

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MUSTANG SEEDS IS A PROUD SPONSOR AND SUPPORTER OF FARM RESCUE

The mission of Farm Rescue is to help family farms and ranches bridge crises so they have an opportunity to continue viable operations. Farm Rescue provides planting, haying, harvesting and livestock feeding assistance to farm and ranch families that have experienced a major injury, illness or natural disaster. Farm Rescue has assisted nearly 700 farm and ranch families since their inception in 2005!

One of the biggest financial drains on a family is an unexpected medical injury or illness and, of course, a natural disaster. It is even more pronounced on a farm where a family's livelihood depends on the ability to plant, harvest or provide for their herd.

Farm Rescue gives families a chance to continue their livelihood by providing the necessary equipment and manpower to plant or harvest a crop, free of charge. The ability to help families on the land is 100% dependent upon some pretty amazing people - volunteers, sponsors and individual donors. They give their time, talents and financial resources to help put a crop in the ground or harvest its bounty for families that are in crisis. Selfless acts. Selfless people. It doesn't get much better than that in our book!



BRAND		RELATIVE MATURITY	PLANT TYPE	PLANT HEIGHT	HILUM	PUBESCENT COLOR	FLOWER COLOR	EMERGENCE	STANDABILITY	PHYTOPH. RESISTANCE	PHYTOPH. TOLERANCE	CYST RESISTANCE	BROWN STEM ROT	IRON CHLOROSIS	WHITE MOLD	SDS
NEW	XF007344	0.07	NB	M	G	LT	P	E	VG	Rps1C	VG	S	MR	AVG	G	N/A
	XF009422	0.09	MB	MT	BL	T	P	E	AVG	Rps1k	BA	R	MS	AVG	N/A	N/A
	XF01223	0.1	MB	MT	BL	L	P	E	G	Rps1c	G	R	MR	G	AVG	N/A
	XF03312	0.3	MB	MT	BL	T	P	E	A	Rps1c	BA	S	R	VG	AVG	N/A
NEW	XF03314	0.3	MB	M	G	T	P	E	VG	Rps1k	G	S	R	G	G	N/A
NEW	XF05524	0.5	MB	M	G	LT	P	E	VG	Rps1c	VG	R	R	G	G	N/A
	XF07723	0.7	MB	M	Y	G	W	E	G	S	G	R	R	G	G	N/A
	XF09123	0.9	FB	MT	BR	LT	P	E	AVG	Rps1c	G	R	MR	AVG	AVG	N/A
	XF11623	1.1	MB	M	BR	LT	P	E	VG	Rps6	E	R	MR	G	VG	G
	XF13323	1.3	MB	M	BF	G	W	E	VG	Rps1c	VG	R	MR	G	VG	G
	XF15623	1.5	FB	MT	BR	LT	P	E	G	Rps6	VG	R	MR	G	G	G
NEW	XF17224	1.7	MB	MT	BF	G	P	E	E	Rps1a	G	R	R	G	VG	VG
	XF18552	1.8	FB	M	BF	G	W	E	G	Rps1k	G	S	MR	AVG	G	VG
NEW	XF20724	2.0	MB	M	BL	LT	P	E	E	S	VG	R	MR	G	G	G
	XF23423	2.3	NB	M	BL	T	P	E	VG	S	G	R	R	AVG	G	AVG
NEW	XF25823	2.5	MB	MT	IBL	G	P	E	G	Rps1c	G	R	R	G	G	AVG
	XF25521	2.5	MB	MT	G	G	P	VG	G	Rps1c	AVG	R	R	AVG	AVG	AVG
	XF28822	2.8	MB	MT	BF	G	P	VG	G	Rps1k	G	R	MR	VG	G	G
NEW	XF29324	2.9	MB	M	IBL	G	P	VG	E	Rps1k	VG	R	R	G	VG	G
	008E233	0.08	NB	M	IBL	G	P	E	E	S	VG	S	R	VG	E	N/A
	02E443	0.2	MB	M	BR	LT	P	VG	VG	Rps1c	VG	S	MR	AVG	E	N/A
	04E523	0.4	MB	M	BR	LT	P	VG	E	Rps1k	VG	R	R	AVG	VG	N/A
NEW	06E434	0.6	MB	M	BL	LT	P	E	VG	Rps1c	VG	R	R	VG	VG	N/A
NEW	16E634	1.6	MB	M	BL	LT	P	E	E	Rps6/1k	G	R	R	E	VG	VG
	20E723	2.0	NB	MT	BR	LT	P	E	E	Rps1k	G	R	R	VG	VG	VG
	22E823	2.2	MT	M	BL	LT	P	VG	E	Rps1k	VG	R	R	VG	G	VG
NEW	23E824	2.3	MB	M	BL	LT	P	E	VG	Rps3a/1a	G	R	R	G	VG	AVG
NEW	25E134	2.5	FB	M	BL	LT	P	VG	VG	Rps1k	AVG	R	R	G	AVG	VG
NEW	29E234	2.9	MB	M	BL	LT	W	E	VG	Rps1k	G	R	AVG	VG	N/A	VG
NEW	32E424	3.2	MB	M	BF	LT	P	VG	G	Rps1K	G	R	AVG	VG	N/A	G

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NEW 35E624	3.5	MB	M	BL	LT	P	VG	G	Rps1k	G	R	AVG	VG	N/A	AVG
NEW 15C224	1.5	MB	MT	BR	LT	P	VG	G	Rps1k	G	R	R	VG	G	G
NEW 16C150	1.6	MB	M	BF	G	P	VG	VG	Rps1a	G	S	N/A	E	VG	G
19C421	1.9	MB	M	Y	G	P	VG	VG	Rps1a	AVG	R	MR	G	G	VG
NEW 21C544	2.1	MB	MT	BR	T	W	E	E	Rps3a	VG	S	S	G	VG	G
25C823	2.5	MB	M	BR	LT	P	E	E	Rps1k	VG	R	MR	VG	VG	AVG



KEY BENEFITS OF HEADS UP®

- ✓ Broad spectrum fungal and bacterial disease control
- ✓ Compatible with other fungicides/insecticides
- ✓ Safe to the user and environmentally friendly
- ✓ No restriction between treatment and use
- ✓ Systemic, full-season protection
- ✓ EPA registered (Reg #81853-1)
- ✓ Competitively priced
- ✓ Long shelf life

THE ONLY SEED TREATMENT FOR BOTH WHITE MOLD AND SUDDEN DEATH SYNDROME IN SOYBEANS

AVAILABLE STAND-ALONE OR IN



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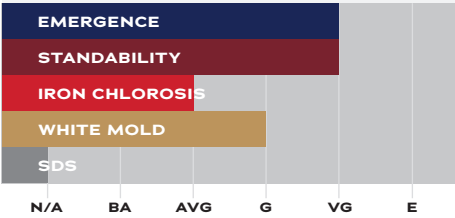
XF007344

NEW

0.07 RM

Plant Type	Plant Height	PRR Gene
NB	M	Rps1c

- 2 bushel above regression yield in early 0RM testing
- Fast emergence with great late season standability
- Rps1c Phytophthora gene partnered with great Phytophthora tolerance

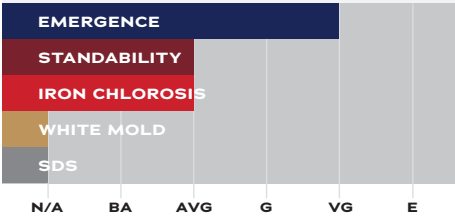


XF009422

0.09 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1k	SCN

- Very good emergence score
- Medium-tall branching plant type adaptable to all row widths
- Rps1k Phytophthora resistance along with cyst resistance

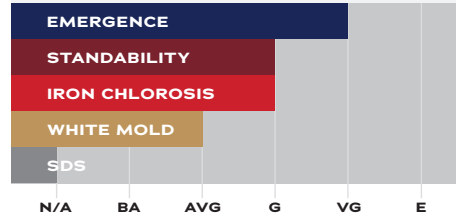


XF01223

0.1 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1c	SCN

- Out-yielded 0.3-0.5 RM products in 2022
- Very solid emergence and average IDC
- Cyst protection with solid Phytophthora field tolerance

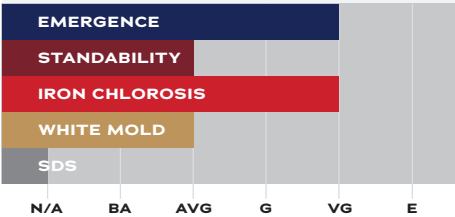


XF03312

0.3 RM

Plant Type	Plant Height	PRR Gene
MB	M	Rps1c

- Very good IDC rating and above average White Mold rating
- Tawny, medium-tall robust plant
- Susceptible to cyst, lower plant populations offer consistent late season standability



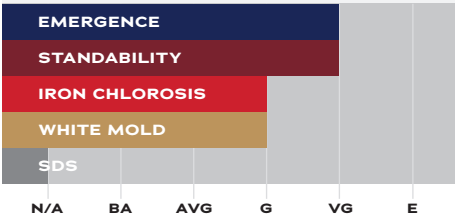
XF03314

NEW

0.3 RM

Plant Type	Plant Height	PRR Gene
MB	M	Rps1k

- Excluder gene allows for higher levels of salt tolerance
- 3% above regression with great win rates against competition
- Great looking tawny soybean that fits high and low yield environments



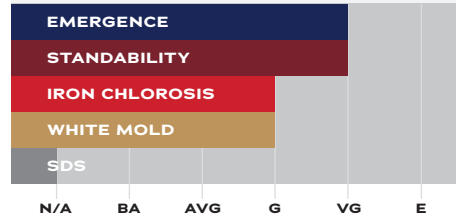
XF05524

NEW

0.5 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1c	SCN

- Above average IDC with great recovery
- Excluder gene allows for higher levels of salt tolerance
- Cyst resistance partnered with Rps1c Phytophthora resistance

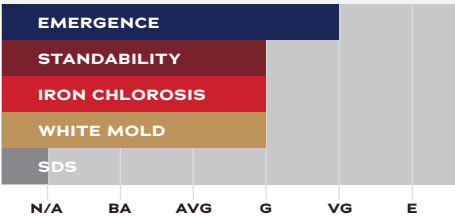


XF07723

0.7 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	S	SCN

- Medium plant height, covers every acre
- Above average White Mold and IDC tolerance
- Cyst resistant, excellent emergence rating

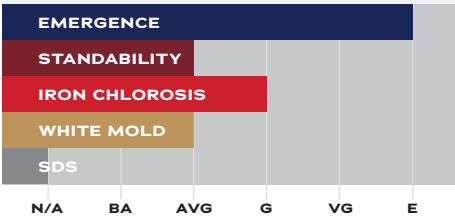


XF09123

0.9 RM

Plant Type	Plant Height	PRR Gene	SCN
FB	MT	Rps1c	SCN

- Industry leading 0.9 soybean
- Great emergence with nice lateral branching
- Above average IDC tolerance and average White Mold rating

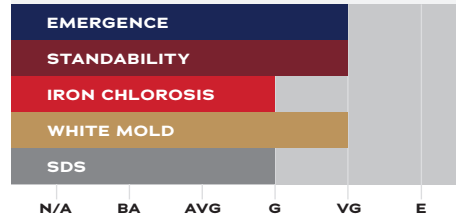


XF11623

1.1 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps6	SCN

- Cyst protection with new Rps6 Phytophthora gene
- Solid White Mold and IDC rating
- Medium-tall plant, strong emergence and late season standability



XF13323

1.3 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1c	

- Industry leading yields
- Above average White Mold and IDC ratings
- Cyst protection, Rps1c Phytophthora protection with solid standability

EMERGENCE			
STANDABILITY			
IRON CHLOROSIS			
WHITE MOLD			
SDS			

N/A BA AVG G VG E

XF15623

1.5 RM

Plant Type	Plant Height	PRR Gene	SCN
FB	MT	Rps6	

- Cyst protection with new Rps6 Phytophthora gene
- Comes out of the ground fast and stands well late in the season
- Solid White Mold and IDC rating

EMERGENCE			
STANDABILITY			
IRON CHLOROSIS			
WHITE MOLD			
SDS			

N/A BA AVG G VG E

XF17224 NEW

1.7 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1a	

- Medium-tall bean with great late season standability
- Above average IDC and White Mold ratings
- Cyst resistance partnered with Rps1a Phytophthora resistance

EMERGENCE			
STANDABILITY			
IRON CHLOROSIS			
WHITE MOLD			
SDS			

N/A BA AVG G VG E

XF18552

1.8 RM

Plant Type	Plant Height	PRR Gene	
FB	M	Rps1k	

- Excluder gene allows for higher levels of salt tolerance
- Proven year after year to belong on the farm
- Above average emergence, solid standability

EMERGENCE			
STANDABILITY			
IRON CHLOROSIS			
WHITE MOLD			
SDS			

N/A BA AVG G VG E

XF20724 NEW

2.0 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	S	

- Proven parent to 24X728
- PI88788 cyst resistance, sets the yield bar at the early 2.0 RM
- Fantastic late season standability

EMERGENCE			
STANDABILITY			
IRON CHLOROSIS			
WHITE MOLD			
SDS			

N/A BA AVG G VG E



As part of the Roundup Ready® Xtend Crop System, XtendFlex® soybeans enable farmers to have application flexibility in managing yield-robbing weeds. By introducing tolerance to glufosinate, in addition to dicamba and glyphosate, XtendFlex soybeans give farmers more herbicide options to fight the most challenging weed problems. While the herbicides take care of the weeds, XtendFlex soybeans can grow strong and reach full yield potential.

- E** | Excellent
- VG** | Very Good
- G** | Good
- AVG** | Average
- BA** | Below Average
- N/A** | Not Available

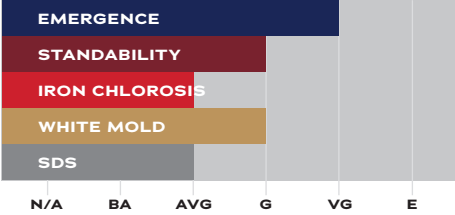


XF23423

2.3 RM

Plant Type	Plant Height	PRR Gene	SCN
NB	M	S	SCN

- Medium-tall bean with solid standability
- Cyst protection with above average White Mold rating
- Fair SDS protection, solid yields



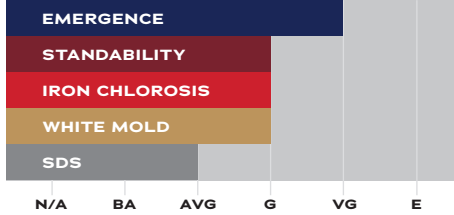
XF25823

NEW

2.5 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1c	SCN

- Dominant performance in 2022 across various soil types and regions
- Medium-tall with nice standability and strong emergence
- Plant style and agronomics allows for use across broad acres

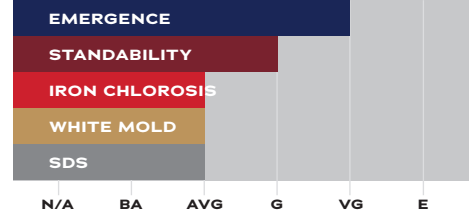


XF25521

2.5 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1c	SCN

- Above average tolerance to IDC score with Rps1c
- Nice plant height with very good standability
- Very steady performance in high or low yield environments

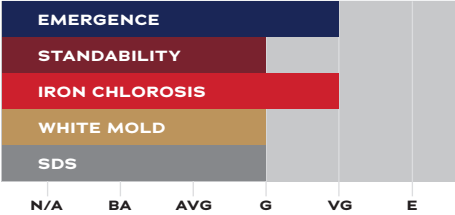


XF28822

2.8 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1k	SCN

- Very strong yields
- Excellent emergence
- Rps1k Phytophthora



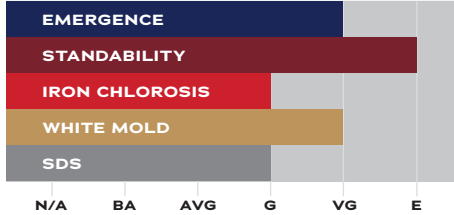
XF29324

NEW

2.9 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1k	SCN

- Sets the yield bar at this maturity group
- Solid standability and agronomics for pivots and high yield environments
- Great high yielding compliment to XF28822



As part of the Roundup Ready® Xtend Crop System, XtendFlex® soybeans enable farmers to have application flexibility in managing yield-robbing weeds. By introducing tolerance to glufosinate, in addition to dicamba and glyphosate, XtendFlex soybeans give farmers more herbicide options to fight the most challenging weed problems. While the herbicides take care of the weeds, XtendFlex soybeans can grow strong and reach full yield potential.

- E** | Excellent
- VG** | Very Good
- G** | Good
- AVG** | Average
- BA** | Below Average
- N/A** | Not Available

"I love the involvement of all employees at Mustang Seeds starting with Terry Schultz. He has a great Management Team, Sales Staff, Office Staff, Warehouse Members and Truckers. Each person I work with feels as though they truly are a part of Mustang Seeds and that shows in their customer service and relationships. My District Sales Manager goes over and above to accommodate our Dealership needs. It is great to work with a company that isn't and doesn't feel like they are corporate. They continue to research and provide the best seed for my grower's fields, and they aren't afraid of new technologies and germplasms. I look forward to our growing relationship with Mustang Seeds."

Bruce Finkel
Carver Seeds, LLC
Chaska, MN

008E233

0.08 RM

Plant Type	Plant Height	PRR Gene
MB	M	S

- Good fit for northern ND and MN
- Solid IDC and White Mold rating
- Medium height, good late season standability

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

02E443

0.2 RM

Plant Type	Plant Height	PRR Gene
MB	M	Rps1c

- Great emergence and stands well late in the season
- Excellent White Mold rating, average IDC
- Big time yields

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

04E523

0.4 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1k	SCN

- Sets the yield bar at this maturity group
- Cyst protection with above average White Mold rating
- Rps1k resistance with average IDC rating

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

06E434 NEW

0.6 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1c	SCN

- Peking SCN resistance
- Solid mix of yield and agronomics
- Will cover broad acres across the entire farm

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

16E634 NEW

1.6 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps6/1k	SCN

- Peking SCN resistance
- Rps6 + Rps1k Phytophthora genes
- Very solid on IDC and white mold acres

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

20E723

2.0 RM

Plant Type	Plant Height	PRR Gene	SCN
NB	MT	Rps1k	SCN

- Peking SCN resistance
- Great agronomic package with solid SDS, IDC, and White Mold rating
- Provides big yields to compliment agronomics

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

22E823

2.2 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1k	SCN

- Above average IDC, White Mold, and SDS rating
- Cyst protection Rps1k resistance
- Moves west to east across the region well

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

23E824 NEW

2.3 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps3a/1a	SCN

- Yield King in the early 2.0 relative maturity
- Rps3a + Rps1a Phytophthora genes
- Placed best in medium to high yield environments

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E

25E134 NEW

2.5 RM

Plant Type	Plant Height	PRR Gene	SCN
FB	M	Rps1k	SCN

- Excels across all yield environments
- Peking SCN resistance
- Medium-tall bushy soybean that canopies quickly

EMERGENCE
STANDABILITY
IRON CHLOROSIS
WHITE MOLD
SDS

N/A BA AVG G VG E



29E234 NEW

2.9 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1k	SCN

- Moves well east to west
- 2 years of yield data well above regression lines
- Peking SCN resistance

EMERGENCE						
STANDABILITY						
IRON CHLOROSIS						
WHITE MOLD						
SDS						
	N/A	BA	AVG	G	VG	E

32E424 NEW

3.2 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1k	SCN

- Cyst resistance with Rps1k Phytophthora gene
- Dominates the early 3.0 RM
- Can be placed across low to high yield environments

EMERGENCE						
STANDABILITY						
IRON CHLOROSIS						
WHITE MOLD						
SDS						
	N/A	BA	AVG	G	VG	E

35E624 NEW

3.5 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1k	SCN

- Big acre product for all yield environments
- Great standability and late season health
- Excellent mix of yield and agronomics

EMERGENCE						
STANDABILITY						
IRON CHLOROSIS						
WHITE MOLD						
SDS						
	N/A	BA	AVG	G	VG	E

SOYBEANS

- E** | Excellent
- VG** | Very Good
- G** | Good
- AVG** | Average
- BA** | Below Average
- N/A** | Not Available

Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist E3® soybean crops.



THE NEXT GENERATION OF TECHNOLOGY

2,4-D choline | Glyphosate | Glufosinate



- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two sites of action work together to deliver control of yield-robbing weeds and help prevent resistance



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with Durango® DMA® herbicide, Liberty® herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

On-Target Application

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



15C224 NEW

1.5 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	Rps1k	SCN

- Great IDC and Cyst Nematode protection
- Moves well across all yield environments
- Excellent emergence and stress tolerance

16C150 NEW

1.6 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1a	

- Medium-tall soybean with very good standability
- Rps1c Phytophthora gene
- High yielding soybean best placed on IDC ground

19C421

1.9 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1a	SCN

- Excellent yielding soybean across multiple environments
- Medium plant type soybean with very good standability
- 2-year yield data shows it is a great conventional soybean

21C544 NEW

2.1 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	MT	S	

- Medium plant type with great standability
- Above average IDC and White Mold tolerance
- Very versatile variety

25C823

2.5 RM

Plant Type	Plant Height	PRR Gene	SCN
MB	M	Rps1k	SCN

- Well adjusted to low, medium, and high yield environments
- Cyst protection with above average White Mold and IDC rating
- Comes out of the ground quick and stands well in the late season



- E** Excellent
- VG** Very Good
- G** Good
- AVG** Average
- BA** Below Average
- N/A** Not Available

SOYBEANS

SOYBEAN PLANTING GUIDE

ROW WIDTH	SEEDS / ACRE	SEEDS / FOOT	SEEDS PER POUND											
			2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400
38"	124,000	9	54	54	54	54	54	54	54	54	54	54	54	54
	138,000	10	60	60	60	60	60	60	60	60	60	60	60	60
	152,000	11**	66	66	66	66	66	66	66	66	66	66	66	66
30"	123,000	7	53	51	49	47	46	44	42	41	40	39	37	36
	140,000	8	61	58	56	54	52	50	48	47	45	44	42	41
	156,000	9**	68	65	62	60	58	56	54	52	50	49	47	46
	175,000	10	76	73	70	67	65	63	60	58	56	55	53	51
10"	131,000	2.5	57	55	52	50	49	47	45	44	42	41	40	39
	156,000	3	68	65	62	60	58	56	54	52	50	49	47	46
	181,000	3.5**	79	75	72	70	67	65	62	60	58	57	55	53
7"	145,000	2	63	60	58	56	54	52	50	48	47	45	44	43
	181,000	2.5	79	75	72	70	67	65	62	60	58	57	55	53
	217,000	3**	94	90	87	86	80	78	75	72	70	68	66	64

**Recommended Final Population

Seeds Per Acre ÷ Seeds Per Pound = Pounds Per Acre

Decide Row Width and Planting Rate - Follow this column to "Seeds Per Pound" of chosen brand. This gives pounds per acre needed.

SOYBEAN RATINGS KEY

RATING SCALE	PLANT HEIGHT	COLORS	PLANT TYPE	MAJOR GENE FOR PHYTOPHTHORA RESISTANCE
1-5, 1 = EXCELLENT	M = MEDIUM	BL = BLACK	NB = NARROW BUSH	Rps1a = 1, 2, 10, 11, 13, 15-19
	MT = MEDIUM-TALL	IBL = IMPERFECT BLACK		
	T = TALL	BR = BROWN	MB = MEDIUM BUSH	Rps1c = 1-3, 6-11, 13, 15, 17, 21, 23, 24
		BF = BUFF		
		TW = TAWNY	FB = FULL BUSH	Rps1k = 1-11, 13-15, 17, 18, 21, 22
		LT = LIGHT TAWNY		
		G = GRAY		Rps3a = 1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25
		P = PURPLE		
		Y = YELLOW		
		W = WHITE		Rps6 = 1-5, 8, 11, 15, 20, 25, 28, 35
			S = SUSCEPTIBLE	

SOYBEAN DEVELOPMENT STAGES

STAGE	APPEARANCE	AVG. NUMBER OF DAYS AFTER BEG. BLOOM (R1)	AVERAGE NUMBER OF DAYS TO HARVEST*
R1 (Beginning Bloom)	One open flower at any node on the main stem	–	83-88
R2 (Full Bloom)	Open flower at one of two uppermost nodes on main stem with fully developed leaf	3	80-85
R3 (Beginning Pod)	Pod 3/16" long at one of the four uppermost nodes on the main stem with fully developed leaf	13	67-72
R4 (Full Pod)	Pod 3/4" long at one of the four uppermost nodes on the main stem with fully developed leaf	22	61-66
R5 (Beginning Seed)	Seed beginning to develop in a pod in one of four uppermost nodes on main stem	31	52-27
R6 (Full Seed)	Pod containing a green seed that fills pod cavity at one of four uppermost nodes on the main stem	46	37-42
R7 (Beginning Maturity)	One normal pod on the main stem that has reached a mature color	64	19-24
R8 (Full Maturity)	95% of the pods have reached a mature color	73	10-15
Harvest	Harvest maturity with seed moisture at 13% (+ -)	83-88	–

*Data are from studies conducted in the United States. The range may differ for cooler climates.



Fungicide/Insecticide				
Phytophthora	✓	✓	✓	✓
Fusarium	✓	✓	✓	✓
Rhizoctonia	✓	✓	✓	✓
Pythium	✓	✓	✓	✓
White Mold (sclerotinia)	✓	✓	✓	✓✓
Brown Spot (septoria)	✓	✓	✓	✓
Stem Rot	✓	✓	✓	✓
Stem Blight	✓	✓	✓	✓
Damping Off	✓	✓	✓	✓
Seed Decay	✓	✓	✓	✓
Bean Leaf Beetle	✓	✓	✓	✓
Wireworm	✓	✓	✓	✓
Seed Corn Maggot	✓	✓	✓	✓
Thrips	✓	✓	✓	✓
Aphids	✓	✓	✓	✓
Increased Root		✓	✓	
Nematodes				✓✓
Sudden Death Syndrome			✓	✓✓
Red Colorant	✓	✓	✓	✓
Polymer	✓	✓	✓	✓

Fungicide			
Phytophthora	✓	✓	✓
Fusarium	✓	✓	✓
Rhizoctonia	✓	✓	✓
Pythium	✓	✓	✓
White Mold (sclerotinia)	✓	✓	✓✓
Brown Spot (septoria)	✓	✓	✓
Stem Rot	✓	✓	✓
Stem Blight	✓	✓	✓
Damping Off	✓	✓	✓
Seed Decay	✓	✓	✓
Bean Leaf Beetle			
Wireworm			
Seed Corn Maggot			
Thrips			
Aphids			
Increased Root		✓	✓
Nematodes			
Sudden Death Syndrome			✓
Red Colorant	✓	✓	✓
Polymer	✓	✓	✓

 Saltro®

With more power than older technology, Saltro® fungicide seed treatment provides consistently superior Sudden Death Syndrome (SDS) protection without the plant stress. Delivering upgraded SDS protection, robust nematode activity and less early-season stress, Saltro helps soybeans reach their full genetic yield potential.

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

Saltro® is a registered trademark of a Syngenta Group Company.

 DISEASES

 INSECTS

✓✓ DOUBLE STACK

LEGAL INFORMATION

Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have 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, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. 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 products with XtendFlex® Technology.


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: Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

DroughtGard® Hybrids with RIB Complete® corn blend the refuge seed may not always contain DroughtGard® Hybrids trait.

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, SmartStax®, Trecepta®, VT Double PRO® and XtendFlex® are registered trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. LibertyLink logo® and LibertyLink® are trademarks of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.



Insect Resistance Management
Planting Refuges, Preserving Technology

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



Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, and XtendFlex® soybeans. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: tug.bayer.com. U.S. patents for Bayer technologies can be found at the following webpage: cs.bayerpatents.bayer.com

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Seeds containing the Enlist, Herculex and PowerCore traits are protected under one or more U.S. patents which can be found at: www.traitstewardship.com. The purchase of these seed traits include a limited license to produce a single crop in the United States. The use of seed from such a crop or the progeny thereof for propagation or seed multiplication or for production or development of a hybrid or different variety of seed is strictly prohibited. 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 Corteva Agriscience Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements. To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience 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 burndown, 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.

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Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium-based herbicides.

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Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, post-emergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF.

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SMALL GRAINS

JASON DEVANEY

SMALL GRAINS
PRODUCT MANAGER



TRAVOIS ALFALFA

Travois has a low (decumbent) growth, aggressive root proliferation, winter hardiness, predominantly yellow variegated flowers and a large percentage of pickle shaped seed pods. Its winter hardiness is superior to most alfalfa varieties tested throughout our region. Plants of Travois have the ability to produce stem buds on laterally spreading roots. Shoots from the stem buds emerge at the soil surface and develop into young plants at distances that sometimes exceed 36 inches from the mother plant. This characteristic permits a close association between grass and legume, reduces trampling injury, thickens stand and decreases winter loss from soil heaving.

COMMON ALFALFA

SD-NE ORIGIN

Common Alfalfa is a winter hardy alfalfa grown and adapted in the state of origin, but is of an unknown variety or varieties. It is usually not noted for high yields but is usually lower in price.

MUSTANG 425HD

ALFALFA

Mustang 425HD is a high forage yielding, high forage quality HD® alfalfa variety. Mustang 425HD is protected by a broad spectrum of pest resistance package.

FEATURES:

- Exceptionally high forage yield potential
- Outstanding forage quality attributes
- Solid disease resistance package

MUSTANG 625APH2

ALFALFA

Mustang 625APH2 is a high forage yielding, good forage quality, sunken crown alfalfa with branch root tendencies, which allows it to be more productive in well and poorly drained soils. It was selected for resistance to multiple races of Aphanomyces root rot.

FEATURES:

- Very high forage yield potential
- Resistance to Aphanomyces Race 1, 2 and isolates of Race 3
- Branch root trait
- Solid disease resistance package

GA306SS ALFALFA

SALT TOLERANT VARIETY

MANAGEMENT PROFILE

- Selected for yield and persistence; its persistence is excellent under both normal and aggressive harvest schedules
- Especially well-suited to areas where nematodes threaten yield production and reduce stand life
- Offers producers broadspectrum pest resistance and excellent persistence; this high-yielding variety will keep producing quality hay for many years
- Excellent salt tolerance
- Dark green foliage and medium-fine stems make it ideal for hay

BROAD SPECTRUM PEST RESISTANCE

- GA306SS offers producers broad-spectrum pest resistance and excellent persistence
- Resists Phytophthora and Verticillium Wilt, which can significantly reduce production and stand life
- Resistance to Fusarium Wilt, Anthracnose and moderate resistance to all major aphids



MUSTANG 995

ALFALFA

A special blend of alfalfa for upper Midwest with carefully selected viable pure seeds with high germination. Mustang 995 has the ability to produce a lush stand quickly and produce for many years. Excellent production on good years and also will perform well on marginal ground and with limited rain fall. Seed is pre-inoculated – Apron® treated available.

Ratings are based on average performance of the variety over a wide range of climate and soil types. Actual performance may be adversely affected by extreme conditions. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.

FALL DORMANCY:

The reaction of alfalfa varieties to decreasing day length and temperatures in the fall versus check varieties.
1 = Norseman | 2 = Vernal | 3 = Ranger | 4 = Saranac | 5 = Archer, etc.

PEST RESISTANCE RATINGS:

S = Susceptible with 0-5% resistant plants
LR = Low Resistance with 6-14% resistant plants
MR = Moderate Resistance with 15-30% resistant plants
R = Resistance with 31-50% resistant plants
HR = High Resistance with greater than 50% resistant plants

WISCONSIN DISEASE RATING INDEX:

For the six major diseases of alfalfa, a variety is awarded:
HR = 5 points | R = 4 points | MR = 3 points
LR = 2 points | S = 1 point | Perfect Score = 30 of 30

WINTER HARDINESS INDEX:

1 = Most hardy and least winter injury
6 = Least hardy and injury resulting in plant death
Ratings are in relationship to the winter injury incurred by standard check varieties.

BRAND	FALL DORMANCY	WINTER HARDINESS	RECOVERY RATE	MULTIFOLIATE	CROWN PLACEMENT	ROOT TYPE	DRI	YIELD	DIGESTIBILITY/FEED VALUE	BACTERIAL WILT	FUSARIUM WILT	VERTICILLIUM WILT	ANTHRACNOSE	PHYTOPHTHORA ROOT ROT	APHANOMYCES ROOT ROT RACE 1	APHANOMYCES ROOT ROT RACE 2	APHANOMYCES ROOT ROT RACE 3
425 HD	4.5	1.9	Fast	25%	Sunken	Branch	35/35	Excellent	Excellent	HR	HR	HR	HR	HR	HR	HR	-
625 APH2	4.5	1.9	Fast	Very Low	Sunken	Branch/ Tap	35/35	Excellent	Very Good	HR	HR	HR	HR	HR	HR	HR	R
GA306SS	4	2.1	Fast	Low	Large	Tap	28/30	Good	Good	HR	HR	HR	HR	HR	MR	-	-
995/990	4	2	Fast	Low	Large	Tap	30/30	Good	Good	MR	MR	MR	MR	-	S	S	-

MUSTANG S-8751

CANE FORAGE

S-8751 is a medium early 95-100 day maturity 8-9 ft soft dough hybrid. Yield on dryland is great due to rapid growth. With wide leaves and quick growth this hybrid yields well.



MUSTANG S-8255BMR

SORGHUM-SUDANGRASS HYBRID WITH BROWN MIDRIB

S-8255 may be used for direct grazing, hay or haylage. This hybrid is completely "Brown Midrib." It has significantly increased digestibility of its stems and leaves. This 6-8 foot tall sorghum offers the grower excellent quality and energy for his animals.

M20FS25 NEW

M20FS25 is a full season, sweet stalked, drought tolerant hybrid that produces high yields and good quality forage in 120 to 125 days.



MUSTANG S-8500

HYBRID PEARL MILLET

S-8500 offers excellent grazing and hay potential. Fast re-growth after clipping. Clipping should be done in the pre-boot stage. Under good conditions hybrid is 5-6 feet tall in the pre-boot. Grazing should begin at approx. 25" tall.

BMR COYOTE GRAZE

BMR Coyote Graze has a dry stalk trait which improves dry down time after cuttings. This improves harvestability and quality due to delays. You can expect 3-5% lower moisture in the boot state. BMR Coyote Graze is used for silage, baleage, hay and grazing. This hybrid is economical to plant, produces leading tonnage, and the overall forage quality is great. The digestibility is 20% greater than conventional. BMR sorghum increases animal intake and daily gains substantially. BMR Coyote Graze is grassy tillering more than other hybrids producing fine sweet soft stems.

MUSTANG GRAZE

Mustang Graze is an annual forage plant for silage, grazing, cover crop or green chopping. It has excellent early growth and grows very tall. The tonnage is extremely high and is very palatable. It can be planted either in rows, drilled or broadcast. Seeding should be at 10 to 12 pounds per acre in rows or 20 to 30 pounds per acre broadcast. It is very sweet juicy and leafy. The heavier the planting, the finer the stems will be. For pasture uses, a rotating system is suggested. Ideal grazing height is 24 to 36 inches. Normal grazing precautions should be observed. Before green chopping, the plants should reach a height of 24 to 36 inches. Usually Mustang Graze will yield 3 to 6 cuttings depending on planting time, moisture and temperatures. For hay, the plants should reach boot stage and ideally be followed by a conditioner after cutting. Recommended usage: silage crops where it is not practical to use corn, such as when circumstances require a fast-growing crop for late or delayed re-planting. Planting should be delayed until the soil is warm enough to germinate seed (60 to 70 degrees).



M40SSD60BMR

M40SSD60BMR is an early hybrid with 40% more leaf density due to the leaf count and leaf width. The results are a digestible high-quality forage. Fiber quality is improved 15-20% due to the BMR and 5-10% for the increased leaf to stem ratio. Grazability is improved as the cattle prefer the reduced height and standability. It produces similar tonnage, superior standability and reduced seeding rates compared to tall hybrids.



WG5963

HYBRID GRAIN SORGHUM

Is a medium-early hybrid with high yield potential, good drought tolerance and good standability. WG5963 is a Good Grade hybrid with cream colored grain and a tan plant.

GP5862

HYBRID GRAIN SORGHUM

GP5862 is a medium-early maturity grain hybrid with high SCA tolerance. This hybrid has an excellent appearance with a semi-open head type and stiff stalk and staygreen traits to provide excellent drought stress tolerance. GP5862 is well adapted for dryland fields in the Great Plains with excellent yield potential.

EH4852

HYBRID GRAIN SORGHUM

The earliest grain hybrid in the Mustang line. EH4852 has a good performance in the shorter growing areas of the sorghum belt in the High Plains and can be double cropped after wheat. EH4852 has excellent standability with good drought tolerance. Can also be planted later in the southern growing areas and is resistant to Biotype "E" greenbugs.

GP6466

HYBRID GRAIN SORGHUM

GP6466 is a medium maturity hybrid that is well suited from the Great Plains south to Northeast Mexico because of its moderate White Sugarcane Aphid (SCA) tolerance and resistance to many leaf diseases. This bronze grain has an excellent appearance and is well-suited for dryland and irrigated fields.

**OTHER MILLETS & FORAGES
ARE ALSO AVAILABLE**

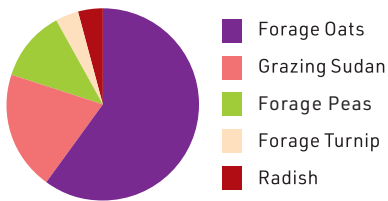


MID-LATE SEASON GRAZING MIX

40 POUNDS PER ACRE

Plant late spring for grazing as well as building soil health.

PLANT JUNE 1 - AUGUST 1

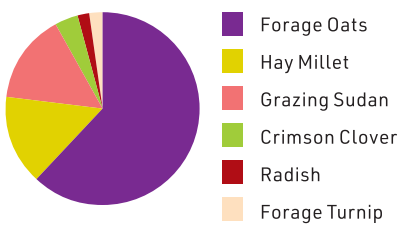


EARLY SEASON GRAZING MIX

40 POUNDS PER ACRE

Can plant early in the spring for supplemental grazing.

PLANT MAY 15 - JUNE 15

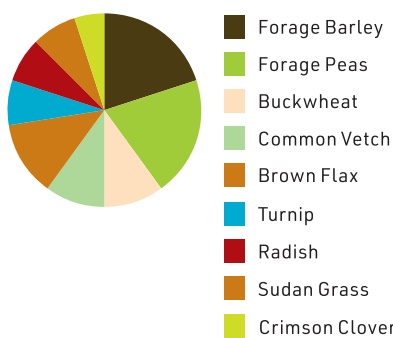


SOIL HEALTH PLUS MIX

20 POUNDS PER ACRE

This mix is the real deal! Plant after small grain harvest, prevent plant acres or early corn silage acres. Will add nitrogen plus breakdown phosphorus for next year's crop. Will also add late season grazing, biomass and soil activity in alkali soils.

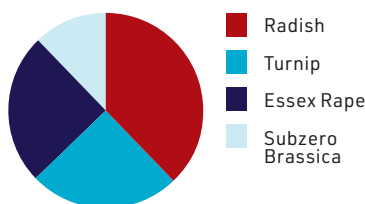
PLANT JULY 15 - SEPTEMBER 15



BRASSICA PLUS

8 POUNDS PER ACRE

PLANT MID JULY - MID SEPTEMBER

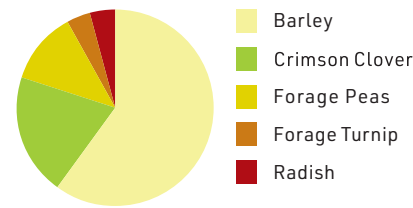


SOIL BUILDER MIX

26 POUNDS PER ACRE

Will produce nitrogen and also scavenge nitrogen to help build soil health. The species in this mix should provide an earthworm haven and help establish growth in Alkaline soils.

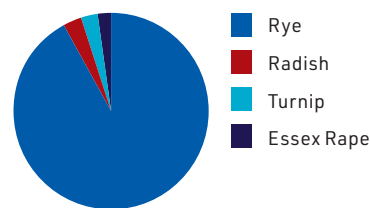
PLANT JULY 15 - SEPTEMBER 5



FALL GRAZER MIX

59 POUNDS PER ACRE

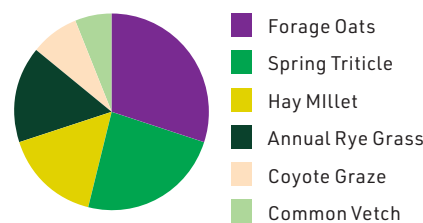
PLANT MID JULY - MID SEPTEMBER



SEASON LONG MIX

64 POUNDS PER ACRE

PLANT APRIL - MAY



PEA/BARLEY MIX

50% Peas

50% Barley

Plant Early Spring (April-May)
Seeding rate 100#/acre

PEA/OAT MIX

60% Peas

40% Oats

Plant Early Spring (April-May).
Seeding rate 100#/acre

3 WAY FORAGE

50% Peas

25% Oats

25% Barley

PEA/TRITICALE MIX

60% Peas

40% Triticale

CERTIFIED GOLIATH OATS

A white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2012. The line was tested as SD090552 and was developed from the two-parent population IL99-1338/SD97575-38-154. Varieties in the pedigree include Rise, Settler and Troy. Goliath has late maturity, heading 1.7 days later than Stallion. Goliath is 4.3 inches taller than Stallion. Goliath has excellent grain yield and forage yield potential, as well as good test weight.

CERTIFIED SD BUFFALO OATS

The South Dakota Agricultural Experiment Station is releasing a new white oat variety named SD Buffalo to Certified Seed growers in the spring of 2022. SD Buffalo is result from the cross SD081107//SD070394/SD060130 and tested as SD150012. It is two days earlier than Rushmore in maturity, similar in plant height with superior straw strength, but slightly lower in test weight. SD Buffalo ranked 2nd in yield in CPT trials compared to all varieties from 2018-2021. It is moderately resistant to crown rust and the BYD virus and has good milling characteristics.

CERTIFIED DEON OATS

Deon is a variety of oats developed and released by the Minnesota Agricultural Experiment Station (MAES) in 2012. Deon was selected from a cross Sesqui*2/Bettong//MN02108. Deon is a yellow seeded oat with medium large sized kernels. Deon has a late maturity. Deon is medium-tall and has very high grain yield with medium test weight and medium groat and grain protein percentages. PVT protected.

CERTIFIED WARRIOR OATS

Warrior oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2018. The line was tested as SD120419 with the pedigree of SD041405/SD060130. Warrior is a medium maturing line, heading about 1 day later than Horsepower. Warrior is 2" taller than Horsepower. Warrior has high yield potential and average test weight. Warrior is moderately resistant to smut and moderately susceptible to BYDV. The variety is resistant to crown rust. Lodging resistance is excellent.

CERTIFIED RUSHMORE OATS

White-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2019. Pedigree of SD80015/SD0070110/SD060130. Rushmore is a medium-late maturing line, heading about 1 day earlier than Hayden. Similar in height to Hayden with better lodging resistance. Rushmore has high-yield potential and good test weight. Resistant to moderately resistant to crown rust and moderately resistant to BYDV and smut.

MORTON OATS

Developed by the North Dakota Agricultural Experiment Station (NDAES) in cooperation with USDA and released in June 2001. Resulted from the cross ND880922/IAB605X. Morton is medium-late in maturity being similar to Troy and two days later than Jerry. The variety has high test weight with groat percent slightly higher than Jerry. Kernels are uniform and large in size with white hulls. Protein percent is similar to Jerry. Morton is a tall oat with good straw strength. The variety is resistant to smut, moderately resistant to stem rust, crown rust and is moderately susceptible to BYDV. Protected under the U.S. PVP Act.

MUSTANG M-120 FORAGE OATS

It is a late maturing forage oat that has good leaf rust resistance. M-120 oats is a high-tonnage forage oat that has out yielded Jerry and Loyal by tons per acre. It is a tall variety with a wide leaf for those extra tons per acre.



Variety	Origin	Year Released	Leaf Rust	Stem Rust	Stripe Rust	Relative Maturity	Straw Strength	Relative Plant Height	Protein	Grain Color	PVP+
GOLIATH	SD	2012	Mod-Resis.	Resistant	Mod-Resis.	9	Good	Tall	Med. High	White	Yes
CERTIFIED SD BUFFALO	SD	2021	Mod-Resis.	Resistant	Resistant	6	Very Good	Medium	Medium	Yellow	Pending
DEON	MN	2013	Mod-Sus.	Mod-Resis.	Resistant	9	Good	Tall	Med. High	Yellow	Yes
WARRIOR	SD	2018	Mod-Sus.	--	Resistant	1	Good	Medium	Medium	White	Yes
RUSHMORE	SD	2019	Mod-Sus.	--	Resistant	6	Very Good	Medium	Medium	White	Yes
MORTON	ND	2001	Mod-Sus.	Mod-Resis.	Mod-Resis.-Mod-Sus.	7	Very Good	Tall	Medium	White	No
M-120	SD	1990	Mod-Resis.	Susceptible	Susceptible	7	Good	Tall	Medium	White	--

PREMIUM LAWN MIX

4 TO 6 POUNDS PER 1000 SQ. FT.

Premium lawn mix is a grass mixture that gives you a healthy, attractive lawn with a combination of sun and shade tolerance. We have just enough fine leaf perennial ryegrass to get your lawn off to a fast start. Kentucky bluegrass and creeping red fescue will continue to fill in and form a dense sod that will give you that quality appearance. This mix is recommended for all applications and will do especially well under intensive lawn practices.

60% Kentucky Bluegrass

25% Fine Leaf Perennial Rye

15% Creeping Red Fescue

ENDURANCE LAWN MIX

8 TO 10 POUNDS PER 1000 SQ. FT.

Endurance lawn mix gives you exactly what the name says – a lawn that will endure. We have added enough perennial rye to give you that fast start, tall fescue to keep your lawn green when others have gone dormant and Kentucky bluegrass to help fill in and give you that dense full lawn. Tall fescue blades are slightly wider than perennial rye or Kentucky bluegrass but will blend in nicely if you keep the seeding rate at recommended levels. Tall fescue has a much deeper root system that keeps it green during drought stress, requiring less water and fertility. It will tolerate shade and is widely used for athletic areas. Endurance lawn mix should be planted in spring or very early fall to allow tall fescue to develop root system before winter.

70% Fine Leaf Turf Type Tall Fescue

10% Kentucky Bluegrass

10% Fine Leaf Perennial Rye

10% Creeping Red Fescue

THREE WAY LAWN MIX

6 TO 7 POUNDS PER 1000 SQ. FT.

Economy lawn mix for those areas not requiring the higher quality Kentucky bluegrass. Perennial ryegrass establishes quickly with creeping red fescue and Kentucky bluegrass completing the lawn. This mixture does well in sun and shady areas, but will create more thatch than either Premium Lawn or Endurance Lawn mixes.

33 1/3% Kentucky Bluegrass

33 1/3% Fine Leaf Perennial Rye

33 1/3% Creeping Red Fescue

TURF GRASSES

KENTUCKY BLUEGRASS
CREEPING RED FESCUE
PERENNIAL RYEGRASS
TURF-TYPE TALL FESCUE
BOWIE BUFFALO GRASS

MAXLAWN LAWN FERTILIZER

LAWN FOOD 26-0-4 | 5,000 SQ. FT.
WEED & FEED 24-0-4 | 5,000 SQ. FT.
CRABGRASS PREV. 22-0-4 | 5,000 SQ. FT.
FALL LAWN FOOD 22-0-10 | 5,000 SQ. FT.
STARTER 12-24-6 | 5,000 SQ. FT.
ALL PURPOSE 10-10-10

MUSTANG REBOUND GRAZING MIX

20-25 LBS PER ACRE

An excellent mixture of grasses to give you that rapid establishment and high yield production from every acre. This highly palatable mixture will give you early production with orchardgrass and forage perennial ryegrass. The Bromegrass and intermediate wheatgrass assure you full season production. This dual purpose mix may be used for hay or pasture use.

30%	Bromegrass
20%	Intermediate Wheatgrass
15%	Forage Perennial Ryegrass
25%	Orchardgrass
10%	Grazing Alfalfa

MUSTANG PASTURE MIX

20-25 LBS PER ACRE

Our hay and pasture mix is for those producers not wishing to have a legume in their mix. Forage perennial ryegrass, orchardgrass and Bromegrass assure rapid stand establishment and early season production. This is a highly palatable mix for grazing or haying.

25%	Orchardgrass
20%	Bromegrass
20%	Forage Perennial Ryegrass
15%	Intermediate Wheatgrass
10%	Timothy
10%	Ginger Forage Bluegrass

MUSTANG THOROUGHBRED MIX

25 LBS PER ACRE

This grass mix is especially suited for horses. Forage perennial ryegrass and orchardgrass give quick establishment and lush early season production. Together with timothy, forage bluegrass and ladino clover, your horse will have high protein and highly productive pasture throughout the entire season.

30%	Orchardgrass
20%	Bromegrass
20%	Forage Perennial Ryegrass
10%	Ginger Forage Bluegrass
10%	Timothy
10%	Ladino Clover

MUSTANG ORCHARD MIX

75 LBS PER ACRE

This grass mix is a perfect mix for orchards. With crested wheatgrass and creeping red fescue, it will be a low grow mix with fine stems and have the ability to handle dry conditions.

50%	Crested Wheatgrass
50%	Creeping Red Fescue

WATERWAY MIX

25 LBS PER ACRE

Is intended for quick establishment into highly erodible areas. Will be a long lasting and low maintenance sod forming mix.

30%	Bromegrass
30%	Forage Tall Fescue
25%	Forage Perennial Ryegrass
15%	Timothy

ANTLER CHICORY

Chicory is an herb and develops a rather deep tap-root that prefers loamy, well-drained soils. While chicory was originally used as a coffee substitute, it has now become a dynamic tool in food plots for land managers. For a change of pace, try growing chicory, a tough cool-season perennial crop that is a preferred deer forage, in your next fall food plot.

WGF

OPEN POLLINATED SORGHUM WILD GAME FOOD USAGE

Wild Game Food is an early-maturing sorghum that is 24-34 inches in height. The seed becomes palatable at maturity and is readily consumed by quail, turkey, pheasant, prairie chicken, as well as migratory birds and deer. Mid-bloom 43 to 50 days. Mature seed 85 to 100 days.

Rows: 10 pounds per acre

Drill: 25-30 pounds per acre

Broadcast: 25-30 pounds per acre



UPLAND GAME BIRD MIX

25 POUNDS PER ACRE

45% Grain Sorghum

35% Sorghum Sudangrass

20% Golden German Millet

MUSTANG TROPHY BUCK MIX

20 POUNDS PER ACRE

30% Forage Ryegrass

10% Medium Red Clover

10% Vernal Alfalfa

10% Alsike Clover

10% Dutch White Clover

10% Chicory

10% Purple Top Turnips

10% Ladino Clover



POPULATION OR SEED DROP PER ACRE

This table can be used for all crops to determine plant population or seed drop per acre. Simply follow these easy steps.

- (1) Find average row width, in inches (top line).
- (2) Either determine average spacing between seed (or plants), in inches, (left column)
OR determine average number of seeds (or plants) per 50-foot row length (right column).
- (3) Read seed drop (or plants) per acre from table (intersection of line and column).

Example (Seed Drop): You want to drop 29,000 corn kernels per acre and are using 36-inch rows. Find "36" in the top line, read down to "29", read across to "6" in the left column. Seeds should be spaced 6 inches apart.

Example (Seed Drop): In checking behind your drill with 15-inch row spacing, you determine that the seeds average 3 inches apart. Read down the left column to "3", read across in the "15" column, where the column and line intersect read "139". You are planting approximately 139,000 seeds per acre.

Example (Plant Population): You make several stand counts and calculate an average of 55 plants per 50 feet of row. The rows are 30 inches apart. Read down the right column to "55", read across to the "30" column, where the column and line intersect read "19." The plant population is approximately 19,000 per acre.

AVG. PLANT OR SEED SPACING (INCHES) ***	ROW WIDTH (INCHES)									AVG. PLANTS OR SEEDS PER 50-FOOT ROW**
	7	10	15	20	28	30	36	38	40	
	PLANTS OR SEEDS PER ACRE, IN THOUSANDS*									
1	896	627	418	314	224	209	174	165	157	600
2	448	314	209	157	112	105	87	83	78	300
3	299	209	139	105	75	70	58	55	52	200
4	224	157	105	78	56	52	44	41	39	150
5	179	125	84	63	45	42	35	33	31	120
6	149	105	70	52	37	35	29	28	26	100
7	128	90	60	45	32	30	25	24	22	86
9	100	70	46	35	25	23	19	18	17	67
11	81	57	38	29	20	19	16	15	14	55
12	75	52	35	26	19	17	15	14	13	50
15	60	42	28	21	15	14	12	11	10	40

For other situations not shown, use these formulas:

*Plants or seed/acre (thousands) = (number seeds or plants/50-foot row x 10.45) ÷ row width (inches)

**Plants or seed/acre (thousands) = (6,273 ÷ row width [inches]) ÷ average kernel spacing (inches)

** Seed or plants/50-foot row = seeding rate/acre ÷ (10.45 ÷ row width [inches])

***Avg. kernel spacing (inches) = (6,273 ÷ row width [inches]) ÷ plants or seed/acre

LIMITATION OF WARRANTY

MUSTANG SEEDS of Madison, South Dakota, and Dealer warrants to the PURCHASER to the extent of the purchase price that seeds sold as are described on this tag within recognized tolerances. Mustang Seeds gives no other or further warranty, expressed or implied, of merchantability or fitness of the seed for any particular purpose, nor any other warranty against loss of yield or for any reason or cause, including environmental conditions, disease, insects, soil conditions, chemicals, farming practices, or the response of this seed to any such conditions. Mustang Seeds shall not be liable for incidental or consequential damages. The purchaser shall return any seed within 15 days for refund of the purchase price and the purchaser accepts these terms unless he returns the seed within 15 days. **SALE SUBJECT TO ARBITRATION WHERE APPLICABLE**

SEED PLANTING GUIDE

KIND OF SEED	LBS/ACRE	LBS/BU.	SEEDING DEPTH	PLANTING DATE
Alfalfa (Drilled)	15-20 60	1/2	April 1 to Sept. 1	April-Sept. 1
Alsike Clover	6-8	60	1/2	April 1 to May 1
Barley	90-110	48	2	April to June
Berseem	10-12		1/2	April to May
Birdsfoot Trefoil	3-5	60	1/2	April 1 to May 1
Bluestem, Big & Little	6-10		1/2	May to June 15
Bluegrass (Pasture)	20-30	14	1/4	Spring/ Summer/Fall
Bluegrass (Lawns)	4lbs./1000 sq.ft.		1/4	Spring & Fall
Bromegrass	15-25	14	1/2	Spring & Fall
Buckwheat	40	48	1/2 - 3/4	June 15 - July 15
Canarygrass (Reed)	5-10	44	1/2	Spring & Fall
Chicory	2-5	60	1/2	August & September
Fescue (Meadow)	20-25	24	1/2	Spring
Fescue (Tail)	15-25	24	1/2	Spring & Fall
Fescue (Creeping Red)	4lbs./1000 sq.ft.	24	1/4	Spring & Fall
Field Peas	100	60	1-2	Spring & Fall
Flax	42-56	56	2	April to May
Forage Peas	100	60	1-2	Spring & Fall
Garrison Creeping Foxtail	3-5		1/2	Spring
Green Needlegrass	6-8		1/2	Spring
Ladino Clover	3-5	60	1/2	April to June
Lawn Mix	4lbs./1000 sq. ft.	18	1/4	Spring & Fall
Lola Festulolium	25-35		1/4	Spring & Fall
Mammoth Red Clover	6-12	60	1/2	April to May
Millet, Hay (Foxtail)	15-20	50	1	May to July
Millet, Grain (Proso)	20-30	56	1	May to July
Milo	8-10	56	1	May to July
Oats	64-96	32	1	March to April
Orchardgrass	15-20	14	1/2	Spring & Fall
Orchard Mix	75		1/2	June

KIND OF SEED	LBS/ACRE	LBS/BU.	SEEDING DEPTH	PLANTING DATE
Pasture Mixes	20-25		1/2	Spring & Fall
Radishes	2-4	50	1/2	May to Sept.
Rape (Dwarf Essex)	5-8	50	1	April to Aug.
Red Clover - Medium	6-12	60	1/2	April to May
Red Top	6-10	32	1/2	April
Russian Wildrye	10-12		1/2	April
Rye (Grain)	56-84	56	2	September
Ryegrass (Ann/Per)	30-40	24	1/2	Spring & Fall
Sunflowers	3-5	24	1	May to June
Side Oats Grama	8-10	1/2		June to Aug.
Sorghum Sudan (Rows) (Broadcast)	10-12 20-30	56	1	May to July
Sudangrass	20-30	40	1	May to July
Sun Hemp	15-25	1/4 - 1/2		July - Sept.
Sweet Clover	6-10	60	1/2	April & May
Switchgrass	6-8		1/2	May to June
Teff Grass	3-8		1/2	June
Timothy	8-15	45	1/2	April to Sept.
Triticale	80-110	56	1	Spring & Fall
Turnip - Purple Top	3	60	1/2	May - Sept.
Wheatgrass, Oahe Int.	10-15	20	1/2	Spring & Fall
Wheat (Winter)	60-75	60	1-1/2	September

CALCULATIONS

Use your calculator and these formulas to quickly figure exact acreage, yields and storage capacity.

ACREAGE

Corn, Soybeans & Sorghum (row length, ft.) x (row width, in.) x (no. or rows) ÷ 522,720 = acres

Wheat (row length, ft.) x (width of harvest strip, ft.) ÷ 43,560 = acres

YIELD

Corn-Grain (100 - harvest moisture) x (lbs. grain harvested) x (110.465) ÷ (row length, ft.) ÷ (row width, in.) ÷ (no. rows harvested) = bu./A. of corn at 15.5% moisture

Corn-Silage (100 - actual %p silage moisture) x (green wt. silage, lbs./A.) ÷ (30) = lbs./A. of silage adjusted to 70% moisture

Soybeans (100 - harvest moisture) x (lbs. grain harvested) x (100.138) ÷ (row length, ft.) ÷ (row width, in.) ÷ (no. rows harvested) = bu./A. of soybeans at 13% moisture

Sorghum (100 - harvest moisture) x (lbs. grain harvested) x (6078.14) ÷ (row length, ft.) ÷ (row width, in.) ÷ (no. rows harvested) = lbs./A. of sorghum at 14% moisture

STORAGE CAPACITY

Corn, Soybeans & Sorghum

Round bin: (bin diameter, ft.) x (bin diameter, ft.) x (depth, ft.) x (.6283) = bu. stored

Rectangular storage: (width, ft.) x (length, ft.) x (depth, ft.) x (.8) = bu. stored

TAKING STAND COUNTS IN SOLID-SEEDED SOYBEANS

Roll a hula hoop, let it fall, and count the number of plants inside the hoop. Repeat at least eight times at random locations in the field. Multiply the average of all counts taken by the factor below to determine the approximate population per acre.

Hoop Diameter	30"	32"	34"	36"	38"
Multiply by	8,900	7,800	6,900	6,200	5,500

ROW WIDTH	DESIRED SEEDS PER ACRE (X1000)					
	100	125	150	175	200	225
	SEEDS PER FOOT OF ROW					
40"	7.7	9.6	11.5	13.4	15.3	17.2
38"	7.3	9.1	10.9	12.7	14.5	16.4
36"	6.9	8.6	10.3	12.1	13.8	15.5
30"	5.7	7.2	8.6	10.0	11.5	12.9
22"	4.2	5.3	6.3	7.4	8.4	9.5
20"	3.8	4.8	5.7	6.7	7.7	8.6
15"	2.9	3.6	4.3	5.0	5.7	6.5
12"	2.3	2.9	3.4	4.0	4.6	5.2
10"	1.9	2.4	2.9	3.3	3.8	4.3
7.5"	1.4	1.8	2.2	2.5	2.9	3.2
6"	1.2	1.4	1.7	2.0	2.3	2.6

WEIGHTS & MEASURES

WEIGHT

1 metric ton = 2305 pounds

1 short ton = 2000 pounds

1 pound = 16 ounces

1 gram = .035 ounce

1 kilogram = 2.2046 pounds

LINEAR MEASURE (LENGTH)

1 mile = 5280 feet or 320 rods

1 rod = 16.5 feet, 1.5 yards

1 inch = 2.54 centimeters

1 meter = 39.37 inches

1 kilometer = 0.62 miles

SQUARE MEASURE (AREA)

1 acre = 160 sq/ rods or

43,560 square feet

1 hectare = 2.47 acres

1 sq. rod = 30.25 square yards

1 sq. yard = 9 sq. feet

1 sq. foot = 144 sq. inches

CUBIC MEASURES (VOLUME)

1 cubic yard = 27 cubic feet

1 cubic foot = 1728 cubic inches

1 acre inch = 3630 cubic feet or 27,154 gallons

1 cubic pint = 7.48 gallons or 62.4 pounds of water

1 gallon = 8.345 pounds of water

27 cubic ft = 1 cubic yard

DRY MEASURE

1 bushel = 4 pecks

1 peck = 8 quarts

1 quart = 2 pints

LIQUID MEASURE

1 gallon = 4 quarts

1 quart = 2 pints

1 pint = 16 fluid ounces or 2 cups

1 liter = 1.06 quarts





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