

thunderseed.com

1-888-6THUNDER



FIRST *in the* **FIELD**

2024
SEED GUIDE

THE THUNDER SEED

way

Farming is so much more than our livelihood or our way of life.

It's our legacy – the legacy of our parents and grandparents as well as the future legacy of our children and grandchildren. Our roots in this industry run deeper than the roots of any seed or plant you could grow. We wear the title of farmer with pride and contentment, just as our fathers did and their fathers before them.

Our dedication was both innate and learned through years of cultivating the soil and learning from our ancestors. To us, farming embodies the American dream and it's a bright future that we want to pass on to our sons and daughters. But it's not just nostalgia and daydreams, it's hard work, perseverance and dedication. And those are qualities we strive to pass on to the next generation of agriculturalists as well.

When our boots hit the ground each morning, we face the same challenges you do.

Our hands are calloused and scarred, as we work hard to find a better way to achieve higher yields and tackle the pests that target our crops. We will continue to find new solutions – we are up to the challenge. We know you hit the fields with the same grit and determination. That's why we're committed to being your solutions partner. We work hard and test our seeds so you can be confident knowing that the seeds you plant have the best traits for your farm. We'll continue to develop new varieties to ensure Thunder Seed meets the needs of future generations. This is seed you can count on for years to come.

It's also about having a partner you can count on. When you need seed, we're there to deliver within 24 hours if needed. We have multiple production and cleaning facilities as well as a vast dealer network, so no matter where you are, we're right there for you. Our success is in large part because of you, the hard-working, dependable farmers who put in long hours to make sure the work gets done right. You've placed your trust in us and we will never take that trust for granted.

Thank you for making Thunder Seed **FIRST** *in the* **FIELD.**





GENERATIONS OF BEING FIRST IN THE FIELD

OUR MISSION

To develop and deliver soybean and corn seed that gives growers the greatest potential for high yields and profits year after year, and to deliver unrivaled support before, during and after every growing season.



2024 SEED GUIDE

HIGH-YIELDING, TECHNOLOGY DRIVEN SEED

Thunder Seed

We are committed to continually develop new corn hybrids and soybean varieties that provide exceptional seed solutions for our region. We work diligently to select and test our products so that you can be confident knowing that the seeds you plant have the best agronomics and traits for your farm providing greater and more consistent yields on your acres.



SmartStax® RIB Complete® Corn Blend

SmartStax® RIB Complete® Corn Blend provides ear, stalk and root protection from a broad range of above- and below-ground insects and diseases, resulting in greater yield potential.

Targets: Corn Rootworm, Corn Earworm, Fall Armyworms, Southwestern Corn Borer, European Corn Borer



SmartStax® PRO

SmartStax® PRO with RNAi Technology is the next generation of protection against an ongoing threat: corn rootworm. Built on the strong foundation of SmartStax® Technology, SmartStax PRO Technology introduces a third mode of action that offers improved corn rootworm control over a range of pressures for the strongest biotech defense* now available.

Targets: Corn Rootworm, Corn Earworm, Fall Armyworms, Southwestern Corn Borer, European Corn Borer



VT Double PRO® RIB Complete® Corn Blend

Get superior protection from above-ground insects in a single-bag refuge solution with dual modes of action. It even provides outstanding protection against corn earworms.

Targets: Corn Earworm, Fall Armyworms, Southwestern Corn Borer, European Corn Borer



Trecepta® RIB Complete® Corn Blend

Trecepta® Technology helps reduce yield loss by protecting your corn crop from a wide range of above-ground pests through multiple modes of action. Built on the proven VT Double PRO® Technology, Trecepta Technology gives you more complete control.

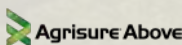
Targets: corn borers (European and southwestern), fall armyworm, western bean cutworm, black cutworm and corn earworm



PowerCore® Enlist® Corn

PowerCore® Enlist® corn is a comprehensive trait package for above-ground pests and weed management, with integrated Refuge Advanced. Tolerance to multiple herbicides - including glyphosate, glufosinate, 2,4-D choline, and FOPS - gives you the flexibility in herbicide choice and management practices to help maximize yield.

Targets: European corn borer, fall armyworm, southwestern corn borer, corn earworm, fall armyworm, western bean cutworm



Agrisure® Above

Agrisure® Above, formerly known as Agrisure® 3120 E-Z Refuge®, combines two modes of action against corn borer. This glyphosate tolerant technology is an integrated refuge product.

Targets: European corn borer, southwestern corn borer

IT ALL STARTS
WITH *seed*



Viptera®

See cleaner ears, improved grain quality and higher yield potential with Viptera® trait stack. The industry's leading above-ground protection controls ear-, stalk- and leaf-feeding insects so every seed has the chance to thrive.

Targets: European corn borer, southwestern corn borer, fall armyworm, western bean cutworm, black cutworm, corn earworm



Duracade®

Multiple modes of action to control corn rootworm and corn borer, suppression of ear-feeding insects and an integrated E-Z Refuge® seed blend.

Targets: corn rootworm, European corn borer, southwestern corn borer, black cutworm



DuracadeViptera™

DuracadeViptera™ trait stacks control 16 damaging pests; above and below ground. Get less damage from ear, stalk, and leaf feeding insects and get a stronger more robust root system from protection against corn rootworm.

Targets: corn rootworm, European corn borer, southwestern corn borer, fall armyworm, western bean cutworm, black cutworm, corn earworm



Agrisure® GT

The Agrisure® GT trait provides tolerance to in-crop applications of glyphosate-based herbicides.



Roundup Ready® Corn 2 and Roundup Ready 2 Yield® Soybeans

Get the broadest protection against weeds and the flexibility to apply herbicides the way you need to for the best results on your farm. Our Roundup Ready® Corn 2 hybrids and Roundup Ready 2 Yield® Soybeans have a high tolerance to Roundup® herbicides for outstanding crop safety.



Roundup Ready 2 Xtend® Soybeans

Find maximum disease and weed control, including glyphosate-resistant weeds, with Roundup Ready 2 Xtend® Soybean's groundbreaking seed technology. This combines the high-yield potential of Roundup Ready 2 Yield® Soybeans with powerful glyphosate and dicamba tolerance, making it the industry's first biotech-stacked soybean seed.



XtendFlex® Soybeans

As part of the Roundup Ready® Xtend Crop System, XtendFlex® soybeans will enable farmers to have application flexibility in managing yield-robbing weeds. By introducing tolerance to glufosinate, in addition to dicamba and glyphosate, XtendFlex soybeans will give farmers more herbicide options to fight the most challenging weed problems.



ENLIST E3® Soybeans

Enlist E3® trait enables control against the toughest weeds in soybeans. With multiple herbicide tolerances, you have more weed control options in one complete, easy-to-use system. You get tolerance to 2,4-D choline and glyphosate, as well as additional glufosinate tolerance in Enlist E3® soybeans.

That one decision impacts everything that follows during a growing season. So it's critical to start with a seed that has been developed to withstand the challenges unique to the Midwest. We develop our seed for the fields it'll be planted in: yours. And to do it, we deliver quality traits and characteristics from the best technologies available.



2024 SEED GUIDE - GRAIN CORN

GRAIN CORN

From conventional corn to hybrids with additional protection, Thunder Seed's selection of top-performing hybrids have the combination of traits and characteristics needed for growing success in your fields.



NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GDU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6072 VT2P	T4072 RR	72	Medium	1800	M	M	SD	MH	14-16	2.0	2.0	2.5	2.5
NEW	T4477 GT		77	Med-Late	1940	MT	M	SF	M-MH	16-18	2.0	3.0	3.0	2.0
	T6977 VT2P	T4977 RR, T2977 CONV	77	Med-Early	1920	M	M	SD	MH	12-14	3.0	2.0	2.0	2.0



US GRAIN CORN

Relative Maturity | 72 Days

T6072 VT2P BRAND

ALSO AVAILABLE T4072 RR



Scan QR for more info



T6072 VT2P

- Super early maturity with very good test weight and fast drydown
- Great emergence and seedling vigor for early planting
- Nice fall appearance with good stalks, staygreen, and intactness

VTDoublePRO[®]
RIB COMPLETE

Roundup Ready²
CORN

US GRAIN CORN

Relative Maturity | 77 Days

NEW T4477 GT BRAND



Scan QR for more info



T4477 GT

- Adapted to the northern areas of ND and MN near Canadian border
- Moves west and handles tough growing conditions
- Good Goss's Wilt and NCLB tolerance


AgrisureGT

US GRAIN CORN


Relative Maturity | 77 Days

T6977 VT2P BRAND

ALSO AVAILABLE T4977 RR, T2977 CONV



Scan QR for more info



T6977 VT2P

- Medium height with great agronomics; performs best in the west
- Good Goss's Wilt and NCLB tolerance
- Good yield stability across variable soils

VTDoublePRO[®]
RIB COMPLETE

Roundup Ready²
CORN

GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.5	2.5	2.0	2.0	2.5	2.5	3.5	2.5	N/A	In Zone & North	Good	Very Good	Very Good	3.0	4.0	Ok
2.0	2.5	2.5	3.0	2.5	2.5	2.0	2.5	N/A	In Zone	Excellent	Very Good	Good	2.5	3.0	Ok
2.0	3.0	2.0	2.0	3.0	2.5	2.0	3.0	N/A	In Zone	Excellent	Excellent	Very Good	3.0	4.0	Ok



2024 SEED GUIDE - GRAIN CORN

US GRAIN CORN

Relative Maturity | **78** Days

T6278 VT2P BRAND



Scan QR for more info

T6278 VT2P

- Big time performance; strongly adapted to northern areas of our region
- Solid agronomics with very good vigor, standability, staygreen, & drydown
- Good drought tolerance to handle those tough and variable acres


VTDoublePRO
RIB COMPLETE



US GRAIN CORN

Relative Maturity | **81** Days

T6181 VT2P BRAND



Scan QR for more info



T6181 VT2P

ALSO AVAILABLE
T4181 RR, T2181 CONV

- Nice girthy ear with outstanding yield performance for variable to ideal conditions
- Attractive medium-tall plant with good late season appearance
- Strongly adapted to our region; able to go north and south of zone

VTDoublePRO
RIB COMPLETE


Roundup Ready²
CORN

US GRAIN CORN

Relative Maturity | **83** Days

T6983 VT2P BRAND



Scan QR for more info



T6983 VT2P

ALSO AVAILABLE
T4983 RR

- Quick start with strong emergence and seedling vigor
- Very nice ear size with some flex and great drydown
- Good choice for variable and tough growing conditions

VTDoublePRO
RIB COMPLETE

Roundup Ready²
CORN

NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GDU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6278 VT2P		78	Medium	1965	MT	M	SD	MH	14-16	2.0	2.0	2.0	2.0
	T6181 VT2P	T4181 RR, T2181 CONV	81	Medium	2025	MT	M	SD	MH	16-18	2.0	2.0	2.5	2.5
	T6983 VT2P	T4983 RR	83	Med-Early	2075	M	M	SF	M-MH	16-18	2.0	2.0	1.5	2.0
	T6185 VT2P	T2185 CONV	85	Medium	2125	MT	MH	SF	M-MH	18-20	2.5	2.0	2.0	2.5
NEW	T6485 PC		85	Medium	2135	MT	MH	SF	M-MH	14-16	2.0	2.0	2.0	2.0
	T6987 VT2P	T4987 RR, T2987 CONV	87	Medium	2170	MT	M	SD	MH	18-20	2.0	2.5	2.0	4.0




US GRAIN CORN


Relative Maturity | 85 Days

T6185 VT2P BRAND

ALSO AVAILABLE T2185 CONV



Scan QR for more info



T6185 VT2P


- Girthy ear with some flex provides great performance in tough environments
- Consistent east to west; solid agronomics and good Goss tolerance
- Strong roots and stalks support MT plant and good ears

VTDoublePRO
RIB COMPLETE


US GRAIN CORN

Relative Maturity | 85 Days

NEW T6485 PC BRAND



Scan QR for more info



T6485 PC

- Solid performance across growing conditions east to west
- Very good agronomics including standability with strong stalks
- Nice fall appearance with good staygreen and intactness

POWERCORE
Enlist
REFUGES ADVANCED

US GRAIN CORN

Relative Maturity | 87 Days

T6987 VT2P BRAND

ALSO AVAILABLE T4987 RR, T2987 CONV



Scan QR for more info



T6987 VT2P

- Attractive, nice statured plant with good health
- Excellent top end yield potential; ideal for highly productive fields
- Awesome from start to finish; great seedling vigor, staygreen, and drydown

VTDoublePRO
RIB COMPLETE

Roundup Ready 2
CORN

GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.0	2.0	1.5	2.0	2.5	2.5	2.0	3.0	N/A	In Zone & North	Excellent	Excellent	Very Good	2.5	2.5	Ok
2.0	2.5	2.0	2.5	2.5	3.0	2.5	3.5	N/A	In Zone, North & South	Very Good	Excellent	Excellent	3.0	2.5	Ok
2.0	2.0	2.0	3.0	2.0	2.5	2.0	3.0	N/A	In Zone	Excellent	Excellent	Very Good	1.5	3.5	Ok
2.0	2.0	2.0	2.5	3.0	2.5	2.5	3.0	N/A	In Zone & South	Excellent	Excellent	Very Good	2.0	3.0	Ok
2.0	2.0	2.0	3.0	2.0	2.5	3.0	2.5	3.0	In Zone	Excellent	Excellent	Very Good	3.0	2.5	Ok
2.5	2.0	2.0	2.5	2.5	3.0	2.5	2.5	2.5	In Zone	Below Avg	Very Good	Excellent	1.5	3.0	C-grp2



2024 SEED GUIDE - GRAIN CORN

US GRAIN CORN

Relative Maturity: **89** Days

T6389 VT2P BRAND

ALSO AVAILABLE **T4389 RR**




Scan QR for more info

- Very nice ears with good consistency and flex contributes to great performance
- Strong agronomics including great stalks and roots; good staygreen and fall appearance
- Adapted well across variable growing conditions; tough to ideal



VTDoublePRO
RIB COMPLETE

Roundup Ready
CORN 2

US GRAIN CORN

Relative Maturity: **90** Days

NEW T6390 AA BRAND

Scan QR for more info

- Great emergence and early vigor for early planting or no-till
- Strong disease defense; good tolerance to Goss, Tar Spot, and NCLB
- Solid performance across environments including variable conditions



Agrisure Above

US GRAIN CORN

Relative Maturity: **90** Days

NEW T6490 VT2P BRAND

ALSO AVAILABLE **T2490 CONV**

Scan QR for more info

- Lots of yield potential with excellent versatility and consistency
- Good ear flex allows medium planting population
- Covers lots of acres with good movement north and south

VTDoublePRO
RIB COMPLETE

NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GGU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6389 VT2P	T4389 RR	89	Medium	2230	M	M	SF	MH	16-18	2.0	2.0	2.0	2.5
NEW	T6390 AA		90	Medium	2250	MT	MH	SD	MH	16-18	2.0	2.5	2.5	2.5
NEW	T6490 VT2P	T2490 CONV	90	Medium	2240	T	MH	SF	M	16-18	2.0	2.5	2.5	2.0
	T6992 VT2P	T4992 RR, T2992 CONV	92	Med-Early	2290	M	M	SF	M-MH	18-20	1.0	1.0	2.0	2.5
	T6294 VT2P		94	Medium	2360	MT	MH	F	M	16-18	2.0	2.5	2.5	2.0
NEW	T8494 SSP		94	Medium	2350	M	M	SF	M	16-18	2.5	2.0	2.0	2.5



US GRAIN CORN

Relative Maturity | 92 Days

T6992 VT2P BRAND

ALSO AVAILABLE T4992 RR, T2992 CONV



Scan QR for more info



T6992 VT2P

- Excellent emergence and seedling vigor for early planting or reduced tillage
- Wide adaptability across environments; very good drought tol. for tough conditions
- Strong roots and stalks support high yields and late season harvestability

VTDoublePRO[®] RIB COMPLETE

Roundup Ready² CORN


US GRAIN CORN

Relative Maturity | 94 Days

T6294 VT2P BRAND



Scan QR for more info



T6294 VT2P

- Excellent performance east to west; strong yields and test weight
- Great drought stress tolerance for west and for sandy soils
- Nice ear with flex allows medium planting population


DroughtGard[®] HYBRIDS

VTDoublePRO[®] RIB COMPLETE


US GRAIN CORN

Relative Maturity | 94 Days

NEW T8494 SSP BRAND



Scan QR for more info



T8494 SSP

- Great SmartStax[®] PRO hybrid with strong performance in our region especially SD
- Excellent stalk health with ASR tolerance and standability with stalk strength
- Nice fall appearance with staygreen and late season intactness

SmartStax[®] PRO RIB COMPLETE

GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	N/A	In Zone & South	Excellent	Excellent	Very Good	N/A	3.0	Ok
3.0	2.5	2.0	2.5	3.0	2.5	3.0	N/A	3.0	In Zone & North	Very Good	Excellent	Very Good	3.0	2.0	C-grp2
2.5	3.0	2.0	2.5	2.5	2.5	3.0	3.0	3.5	In Zone, North & South	Excellent	Excellent	Excellent	3.0	2.0	Ok
2.0	2.5	2.5	2.5	2.0	2.5	2.0	2.5	N/A	In Zone & South	Excellent	Excellent	Very Good	2.0	4.0	C-grp2
2.0	3.5	2.5	1.5	2.0	3.0	3.0	3.0	N/A	In Zone & North	Excellent	Excellent	Very Good	3.0	2.5	Ok
2.5	2.5	2.0	2.5	2.5	2.5	2.5	1.5	3.5	In Zone & North	Good	Very Good	Very Good	2.0	3.0	Ok



2024 SEED GUIDE - GRAIN CORN

US GRAIN CORN

Relative Maturity | 95 Days

T6595 VT2P BRAND

ALSO AVAILABLE T3595 CONV




Scan QR for more info

- Proven and trustworthy top-yielding hybrid
- Fantastic drought tolerance allows it to perform in tough conditions
- Terrific agronomics including test weight and standability

T6595 VT2P




US GRAIN CORN

Relative Maturity | 95 Days

T6195 VT2P BRAND

ALSO AVAILABLE T4195 RR




Scan QR for more info

- Great hybrid for tough drought stress fields as you go west
- Consistent performance with semi-flex ear at medium populations
- Good agronomics and disease tolerance including Goss's Wilt

T6195 VT2P







US GRAIN CORN

Relative Maturity | 96 Days

T8396 SS BRAND




ALSO AVAILABLE T6396 VT2P, T2396 CONV

Scan QR for more info

- High yielding hybrid with great drydown and test weight
- Excellent stalk health, ASR tolerance, and fall appearance
- Position in maturity zone and south for best performance

T8396 SS


NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GDW'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6595 VT2P	T3595 CONV	95	Medium	2375	M	ML	SD	MH	16-18	3.0	2.0	2.0	2.0
	T6195 VT2P	T4195 RR	95	Med-Late	2380	M	M	SF	M	16-18	2.0	2.0	2.0	1.5
	T8396 SS	T6396 VT2P, T2396 CONV	96	Med-Early	2390	MT	MH	SF	MH	14-16	2.0	2.5	2.5	3.0
NEW	T8496 DV		96	Medium	2410	M	MH	SD	MH-H	16-18	2.5	3.0	2.0	3.0
	T6996 VT2P	T4996 RR, T2996 CONV	96	Med-Late	2390	M	M	SF	M-MH	16-18	1.0	1.0	2.0	2.0
	T6397 AA		97	Medium	2420	MT	M	SF	M-MH	14-16	2.0	2.0	3.0	4.0



US GRAIN CORN



Relative Maturity | 96 Days

NEW T8496 DV BRAND



T8496 DV

- Very nice DuracadeViptera™ hybrid for rootworm protection and good yield potential
- Good disease tolerance including Goss, NCLB and Tar Spot
- Strong performance across growing conditions, and moves north and south of maturity zone





US GRAIN CORN

Relative Maturity | 96 Days




T6996 VT2P BRAND

ALSO AVAILABLE T4996 RR, T2996 CONV



T6996 VT2P


- Impressive lead hybrid in maturity
- Very strong performance in all growing conditions; also travels north and south
- Great agronomics including seedling vigor, roots, stalks, and test weight

US GRAIN CORN



Relative Maturity | 97 Days

T6397 AA BRAND



T6397 AA

- Attractive tall plant with big ears that have good flex pushes top end performance
- Moves north and south of maturity zone; provides a good option for dual purpose
- Target good growing conditions and timely harvest for best results

GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.0	3.0	3.0	2.0	2.5	3.0	3.0	2.5	N/A	In Zone & South	Excellent	Very Good	Very Good	2.5	4.0	Ok
2.0	2.5	2.0	2.5	2.0	2.5	2.5	2.0	N/A	In Zone	Excellent	Very Good	Good	2.0	3.0	Ok
2.0	2.5	2.0	2.0	2.0	3.0	2.5	1.5	3.0	In Zone & South	Good	Very Good	Excellent	2.5	2.5	Ok
2.0	2.5	3.0	2.5	2.0	N/A	2.5	3.0	3.0	In Zone, North & South	Good	Very Good	Very Good	2.5	3.0	Ok
1.0	2.5	2.0	2.0	2.5	2.5	2.5	2.0	3.0	In Zone, North & South	Very Good	Very Good	Very Good	2.0	3.5	Ok
2.5	2.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	In Zone, North & South	Below Average	Good	Excellent	3.0	2.0	Ok



2024 SEED GUIDE - GRAIN CORN

Relative Maturity | **97** Days

US GRAIN CORN

NEW T6497 TRE BRAND



Scan QR for more info

- Huge yield potential on the top end; also handles drought stress very well
- Strong agronomics, good ear flex, and Goss tolerance can cover lots of acres
- Best performance in maturity zone and north

T6497 TRE




Relative Maturity | **98** Days

US GRAIN CORN


T6298 VT2P BRAND



Scan QR for more info

- Outstanding yield potential across variable & ideal growing conditions; east to west
- Nice ears with good kernel depth have ability to flex in girth
- Strong stalks and roots support this solid performer


T6298 VT2P

Relative Maturity | **98** Days

US GRAIN CORN



NEW T6498 PC BRAND



Scan QR for more info

- Impressive PowerCore® Enlist® hybrid with great performance across growing conditions
- Solid disease defense including Goss, Tar Spot, NCLB, & ASR
- Big healthy plant with excellent staygreen and good stalks; good option for dual purpose

T6498 PC

NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GDU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
NEW	T6497 TRE		97	Medium	2425	M	M	SF	M	16-18	2.5	2.0	2.0	2.0
	T6298 VT2P		98	Medium	2440	M	M	SF	M	16-18	2.0	2.0	2.5	2.5
NEW	T6498 PC		98	Medium	2450	T	MH	SF	M-MH	16-18	2.0	2.5	2.0	2.5
	T6999 VT2P	T2999 CONV	99	Med-Early	2470	T	MH	SF	M-MH	16-18	2.0	2.5	2.0	2.5
NEW	T6499 PC	T2499 CONV	99	Med-Early	2475	MT	MH	SD	MH-H	14-16	1.5	2.0	2.0	3.0
	T8100 SS		100	Medium	2500	M	M	SF	M	18-20	3.0	2.0	3.0	3.0



US GRAIN CORN

Relative Maturity | 99 Days

T6999 VT2P BRAND

ALSO AVAILABLE T2999 CONV




Scan QR for more info

- Excellent top-end yield potential adapted for maturity zone and north
- Very good agronomics, semi-flex ear, and taller plant height
- Target variable to ideal conditions with M-MH planting pop for best performance

VTDoublePRO
RIB COMPLETE





US GRAIN CORN

Relative Maturity | 99 Days

NEW T6499 PC BRAND


ALSO AVAILABLE T2499 CONV

Scan QR for more info

- Excellent Goss's Wilt and Tar Spot tolerances; solid yields across variable conditions
- Good overall appearance and health with early season vigor, nice plant stature, staygreen, and intactness
- Best performance at medium-high to high populations planted in maturity zone and north

POWERCORE
Enlist
REFUGES ADVANCED





US GRAIN CORN

Relative Maturity | 100 Days

T8100 SS BRAND


ALSO AVAILABLE T2100 CONV

Scan QR for more info

- Great SmartStax® product in maturity; outstanding yield potential
- Big ears with lots of kernal rows and flex; performs well in medium plant pop
- Recommended in maturity zone and north, across variable to ideal conditions east to west

SmartStax
RIB COMPLETE



GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.0	2.0	2.0	2.5	2.0	2.5	3.0	1.5	3.5	In Zone & North	Good	Excellent	Excellent	3.0	3.0	Ok
2.0	2.5	2.5	2.5	3.0	2.5	3.0	2.0	3.0	In Zone & North	Good	Very Good	Excellent	2.5	2.5	Ok
2.0	1.5	3.0	2.5	2.0	2.0	2.0	2.5	2.5	In Zone & North	Good	Excellent	Excellent	3.0	2.0	Ok
2.0	2.5	2.0	2.0	2.0	2.5	3.0	2.0	3.0	In Zone & North	Good	Excellent	Excellent	1.5	2.0	Ok
2.5	2.0	3.0	3.0	2.0	1.5	2.0	N/A	2.0	In Zone & North	Good	Very Good	Very Good	1.5	2.0	Ok
2.0	3.0	3.0	3.0	3.0	2.5	2.5	2.0	3.0	In Zone & North	Below Avg	Very Good	Excellent	3.0	2.5	Ok



2024 SEED GUIDE - GRAIN CORN

US GRAIN CORN

Relative Maturity | 100 Days

T6300 VT2P BRAND




Scan QR for more info



- Great yields combined with great agronomics and disease defense; adapted well for tough conditions and going west
- Good stalk strength and health; excellent Anthracnose stalk rot tolerance
- Very good Goss tolerance and good tar spot tolerance

VTDoublePRO
RIB COMPLETE

US GRAIN CORN

Relative Maturity | 100 Days

T7800 DGVT2P BRAND

Scan QR for more info



- Strong stable yield across environments; especially well suited for drought conditions
- Solid agronomics including excellent stalks for good standability and fall appearance
- Very good Goss tolerance; travels south and north of maturity zone

DroughtGard
HYBRIDS
VTDoublePRO
RIB COMPLETE

US GRAIN CORN

Relative Maturity | 101 Days

T8201 DV BRAND

Scan QR for more info

- Widely adapted with good performance across different growing conditions
- Consistent girthy ear with moderate length does best in MH-H populations
- Very good Goss tolerance and good tar spot tolerance

Duracade
Viptera


NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GOU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6300 VT2P		100	Medium	2500	MS	M	SF	M-MH	14-16	1.5	2.0	2.5	2.0
	T7800 DGVT2P		100	Med-Early	2495	M	ML	SF	M-MH	16-18	2.0	2.0	1.0	1.0
	T8201 DV		101	Medium	2520	MT	MH	SD	MH-H	18-20	2.0	2.5	3.0	2.5
	T6301 AA		101	Medium	2515	M	M	SF	M-MH	18-20	2.5	2.0	2.5	2.0
	T8902 SS	T6902 VT2P	102	Medium	2540	MT	M	SF	M-MH	14-16	2.5	2.0	2.0	3.0
	T8204 SS	T6204 VT2P	104	Medium	2590	M	M	SF	M	16-18	1.0	2.0	2.5	2.0



Relative Maturity | **US GRAIN CORN**

101 Days


T6301 AA BRAND



Scan QR for more info

- Excellent yield potential and consistency west to east
- Widely adapted with good performance across SD, MN & WI
- Good stalks, roots, staygreen; and able to go north and south of maturity zone

Agrisure Above



Relative Maturity | **US GRAIN CORN**

102 Days

T8902 SS BRAND

ALSO AVAILABLE **T6902 VT2P**



Scan QR for more info

- Quick start with excellent seedling vigor for early planting and minimum tillage
- Best adapted growing in high-yielding environments in full maturity zone and north
- Great stalks and roots support long ears with deep kernels and a nice fall appearance

SmartStax[®] RIB COMPLETE

VTDoublePRO[®] RIB COMPLETE




Relative Maturity | **US GRAIN CORN**

104 Days

T8204 SS BRAND

ALSO AVAILABLE **T6204 VT2P**



Scan QR for more info

- Amazingly consistent top performer to cover many acres
- Combines excellent top end yield with great stress tolerance
- Well suited for our region with excellent Goss & greensnap tolerance

SmartStax[®] RIB COMPLETE

VTDoublePRO[®] RIB COMPLETE




GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.0	2.5	2.0	2.0	2.0	2.0	3.0	1.5	2.5	In Zone & North	Excellent	Excellent	Very Good	N/A	4.0	Ok
2.0	3.0	3.0	3.0	2.5	2.0	3.0	N/A	N/A	In Zone, North & South	Excellent	Excellent	Good	N/A	4.0	Ok
2.5	2.5	2.5	2.5	2.0	2.0	3.0	3.5	2.5	In Zone & North	Very Good	Very Good	Very Good	2.5	2.5	N/A
2.0	2.5	2.5	3.0	2.5	2.5	3.0	N/A	N/A	In Zone, North & South	Very Good	Excellent	Very Good	2.0	3.0	N/A
2.0	2.0	2.5	2.5	2.0	2.0	2.0	3.0	3.0	In Zone & North	Good	Very Good	Excellent	2.5	2.5	C-grp2
2.0	2.5	1.5	3.0	2.5	1.5	2.5	2.5	2.5	In Zone, North & South	Very Good	Excellent	Excellent	1.5	2.5	Ok




2024 SEED GUIDE - GRAIN CORN


US GRAIN CORN

Relative Maturity | 106 Days

T6306 PC BRAND




Scan QR for more info



T6306 PC

- Attractive plant with great fall intactness, staygreen, stalks, and roots
- Nice girthy ears and deep kernel depth contributes to the outstanding yield
- Strong disease defense with very good tolerance to NCLB, Goss, and Tar Spot



US GRAIN CORN

Relative Maturity | 109 Days

T6209 VT2P BRAND



Scan QR for more info



T6209 VT2P

- Strong yield potential across variable environments
- Great late season standability with med-short plant height and great stalks and roots
- Good Goss and drought tolerance; avoid saturated soils




NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GDU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6306 PC		106	Med-Early	2635	MT	MH	SF	M-MH	18-22	2.0	2.0	2.0	3.0
	T6209 VT2P		109	Med-Early	2725	MS	ML	SD	MH	16-18	2.0	1.5	2.0	2.5
	T6211 TRE		111	Medium	2775	M	MH	SD	MH	16-18	2.5	2.5	2.5	3.0
	T6213 VT2P		113	Medium	2825	M	M	SF	M	14-16	2.5	2.0	2.0	2.5



Relative Maturity | **111** Days

US GRAIN CORN

T6211 TRE BRAND



Scan QR for more info


- Great yield potential with girthy ears and good kernel depth
- Nice hybrid choice for SE South Dakota with very good Goss and greensnap tolerance
- Target productive acres at MH population for best performance

Trecepta
RIB COMPLETE

Relative Maturity | **113** Days

US GRAIN CORN

T6213 VT2P BRAND



Scan QR for more info

- Highly adapted to cover lots of acres east to west
- Healthy attractive plant with great staygreen, standability, & fall appearance
- Solid agronomics and good disease tolerance including Goss's Wilt

VTDoublePRO
RIB COMPLETE

GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	FALL INTACTNESS	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	TAR SPOT	RM ZONE PLACEMENT	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	CORN ON CORN	SILAGE POTENTIAL	HERBICIDE SENSITIVITY
2.5	2.0	3.0	3.5	2.0	2.0	2.0	N/A	2.0	In Zone & North	Good	Very Good	Excellent	2.0	3.0	N/A
2.0	3.0	2.0	3.0	3.0	2.5	2.0	2.5	N/A	In Zone & North	Good	Very Good	Very Good	N/A	3.5	Ok
2.0	3.0	2.5	2.5	2.5	2.0	2.5	2.5	N/A	In Zone & North	Good	Very Good	Excellent	N/A	3.0	Ok
2.0	2.0	2.5	2.5	2.0	2.5	2.0	2.0	N/A	In Zone & North	Excellent	Excellent	Very Good	N/A	N/A	Ok

NEW	PRODUCT	ALSO AVAILABLE	MATURITY	FLOWERING	GDU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.
	T6072 VT2P	T4072 RR	72	Medium	1800	M	M	SD	MH	14-16	2.0	2.0	2.5	2.5
NEW	T4477 GT		77	Med-Late	1940	MT	M	SF	M-MH	16-18	2.0	3.0	3.0	2.0
	T6977 VT2P	T4977 RR, T2977 CONV	77	Med-Early	1920	M	M	SD	MH	12-14	3.0	2.0	2.0	2.0
	T6278 VT2P		78	Medium	1965	MT	M	SD	MH	14-16	2.0	2.0	2.0	2.0
	T6181 VT2P	T4181 RR, T2181 CONV	81	Medium	2025	MT	M	SD	MH	16-18	2.0	2.0	2.5	2.5
	T6983 VT2P	T4983 RR	83	Med-Early	2075	M	M	SF	M-MH	16-18	2.0	2.0	1.5	2.0
	T6185 VT2P	T2185 CONV	85	Medium	2125	MT	MH	SF	M-MH	18-20	2.5	2.0	2.0	2.5
NEW	T6485 PC		85	Medium	2135	MT	MH	SF	M-MH	14-16	2.0	2.0	2.0	2.0
	T6987 VT2P	T4987 RR, T2987 CONV	87	Medium	2170	MT	M	SD	MH	18-20	2.0	2.5	2.0	4.0
	T6389 VT2P	T4389 RR	89	Medium	2230	M	M	SF	MH	16-18	2.0	2.0	2.0	2.5
NEW	T6390 AA		90	Medium	2250	MT	MH	SD	MH	16-18	2.0	2.5	2.5	2.5
NEW	T6490 VT2P	T2490 CONV	90	Medium	2240	T	MH	SF	M	16-18	2.0	2.5	2.5	2.0
	T6992 VT2P	T4992 RR, T2992 CONV	92	Med-Early	2290	M	M	SF	M-MH	18-20	1.0	1.0	2.0	2.5
	T6294 VT2P		94	Medium	2360	MT	MH	F	M	16-18	2.0	2.5	2.5	2.0
NEW	T8494 SSP		94	Medium	2350	M	M	SF	M	16-18	2.5	2.0	2.0	2.5
	T6595 VT2P	T3595 CONV	95	Medium	2375	M	ML	SD	MH	16-18	3.0	2.0	2.0	2.0
	T6195 VT2P	T4195 RR	95	Med-Late	2380	M	M	SF	M	16-18	2.0	2.0	2.0	1.5
	T8396 SS	T6396 VT2P, T2396 CONV	96	Med-Early	2390	MT	MH	SF	MH	14-16	2.0	2.5	2.5	3.0
NEW	T8496 DV		96	Medium	2410	M	MH	SD	MH-H	16-18	2.5	3.0	2.0	3.0
	T6996 VT2P	T4996 RR, T2996 CONV	96	Med-Late	2390	M	M	SF	M-MH	16-18	1.0	1.0	2.0	2.0
	T6397 AA		97	Medium	2420	MT	M	SF	M-MH	14-16	2.0	2.0	3.0	4.0
NEW	T6497 TRE		97	Medium	2425	M	M	SF	M	16-18	2.5	2.0	2.0	2.0
	T6298 VT2P		98	Medium	2440	M	M	SF	M	16-18	2.0	2.0	2.5	2.5
NEW	T6498 PC		98	Medium	2450	T	MH	SF	M-MH	16-18	2.0	2.5	2.0	2.5
	T6999 VT2P	T2999 CONV	99	Med-Early	2470	T	MH	SF	M-MH	16-18	2.0	2.5	2.0	2.5
NEW	T6499 PC	T2499 CONV	99	Med-Early	2475	MT	MH	SD	MH-H	14-16	1.5	2.0	2.0	3.0
	T8100 SS		100	Medium	2500	M	M	SF	M	18-20	3.0	2.0	3.0	3.0
	T6300 VT2P		100	Medium	2500	MS	M	SF	M-MH	14-16	1.5	2.0	2.5	2.0
	T7800 DGVT2P		100	Med-Early	2495	M	ML	SF	M-MH	16-18	2.0	2.0	1.0	1.0
	T8201 DV		101	Medium	2520	MT	MH	SD	MH-H	18-20	2.0	2.5	3.0	2.5
	T6301 AA		101	Medium	2515	M	M	SF	M-MH	18-20	2.5	2.0	2.5	2.0
	T8902 SS	T6902 VT2P	102	Medium	2540	MT	M	SF	M-MH	14-16	2.5	2.0	2.0	3.0
	T8204 SS	T6204 VT2P	104	Medium	2590	M	M	SF	M	16-18	1.0	2.0	2.5	2.0
	T6306 PC		106	Med-Early	2635	MT	MH	SF	M-MH	18-22	2.0	2.0	2.0	3.0
	T6209 VT2P		109	Med-Early	2725	MS	ML	SD	MH	16-18	2.0	1.5	2.0	2.5
	T6211 TRE		111	Medium	2775	M	MH	SD	MH	16-18	2.5	2.5	2.5	3.0
	T6213 VT2P		113	Medium	2825	M	M	SF	M	14-16	2.5	2.0	2.0	2.5

Rating	1 Excellent	3 Good	5 Poor	Plant Height	S Short	MS Medium Short	M Medium	Ear Height	L Low	MH Medium High	M Medium
	2 Very Good	4 Below Average	MT Medium Tall		T Tall	ML Medium Low	H High				

GreenSnap	StayGreen	DryDown	Test Weight	Fall Intactness	Goss's Wilt	NCLB	Stalk Anthracnose	Tar Spot	RM Zone Placement	Tough Conditions	Variable Conditions		Ideal Conditions	Corn on Corn	Silage Potential	Herbicide Sensitivity
											Tough	Low yield env (below 140 bu/ac)				
2.5	2.5	2.0	2.0	2.5	2.5	3.5	2.5	N/A	In Zone & North	Good	Very Good	Very Good	3.0	4.0	Ok	
2.0	2.5	2.5	3.0	2.5	2.5	2.0	2.5	N/A	In Zone	Excellent	Very Good	Good	2.5	3.0	Ok	
2.0	3.0	2.0	2.0	3.0	2.5	2.0	3.0	N/A	In Zone	Excellent	Excellent	Very Good	3.0	4.0	Ok	
2.0	2.0	1.5	2.0	2.5	2.5	2.0	3.0	N/A	In Zone & North	Excellent	Excellent	Very Good	2.5	2.5	Ok	
2.0	2.5	2.0	2.5	2.5	3.0	2.5	3.5	N/A	In Zone, North & South	Very Good	Excellent	Excellent	3.0	2.5	Ok	
2.0	2.0	2.0	3.0	2.0	2.5	2.0	3.0	N/A	In Zone	Excellent	Excellent	Very Good	1.5	3.5	Ok	
2.0	2.0	2.0	2.5	3.0	2.5	2.5	3.0	N/A	In Zone & South	Excellent	Excellent	Very Good	2.0	3.0	Ok	
2.0	2.0	2.0	3.0	2.0	2.5	3.0	2.5	3.0	In Zone	Excellent	Excellent	Very Good	3.0	2.5	Ok	
2.5	2.0	2.0	2.5	2.5	3.0	2.5	2.5	2.5	In Zone	Below Avg	Very Good	Excellent	1.5	3.0	C-grp2	
2.5	2.5	2.5	2.5	3.0	3.0	2.5	2.5	N/A	In Zone & South	Excellent	Excellent	Very Good	N/A	3.0	Ok	
3.0	2.5	2.0	2.5	3.0	2.5	3.0	N/A	3.0	In Zone & North	Very Good	Excellent	Very Good	3.0	2.0	C-grp2	
2.5	3.0	2.0	2.5	2.5	2.5	3.0	3.0	3.5	In Zone, North & South	Excellent	Excellent	Excellent	3.0	2.0	Ok	
2.0	2.5	2.5	2.5	2.0	2.5	2.0	2.5	N/A	In Zone & South	Excellent	Excellent	Very Good	2.0	4.0	C-grp2	
2.0	3.5	2.5	1.5	2.0	3.0	3.0	3.0	N/A	In Zone & North	Excellent	Excellent	Very Good	3.0	2.5	Ok	
2.5	2.5	2.0	2.5	2.5	2.5	2.5	1.5	3.5	In Zone & North	Good	Very Good	Very Good	2.0	3.0	Ok	
2.0	3.0	3.0	2.0	2.5	3.0	3.0	2.5	N/A	In Zone & South	Excellent	Very Good	Very Good	2.5	4.0	Ok	
2.0	2.5	2.0	2.5	2.0	2.5	2.5	2.0	N/A	In Zone	Excellent	Very Good	Good	2.0	3.0	Ok	
2.0	2.5	2.0	2.0	2.0	3.0	2.5	1.5	3.0	In Zone & South	Good	Very Good	Excellent	2.5	2.5	Ok	
2.0	2.5	3.0	2.5	2.0	N/A	2.5	3.0	3.0	In Zone, North & South	Good	Very Good	Very Good	2.5	3.0	Ok	
1.0	2.5	2.0	2.0	2.5	2.5	2.5	2.0	3.0	In Zone, North & South	Very Good	Very Good	Very Good	2.0	3.5	Ok	
2.5	2.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	In Zone, North & South	Below Average	Good	Excellent	3.0	2.0	Ok	
2.0	2.0	2.0	2.5	2.0	2.5	3.0	1.5	3.5	In Zone & North	Good	Excellent	Excellent	3.0	3.0	Ok	
2.0	2.5	2.5	2.5	3.0	2.5	3.0	2.0	3.0	In Zone & North	Good	Very Good	Excellent	2.5	2.5	Ok	
2.0	1.5	3.0	2.5	2.0	2.0	2.0	2.5	2.5	In Zone & North	Good	Excellent	Excellent	3.0	2.0	Ok	
2.0	2.5	2.0	2.0	2.0	2.5	3.0	2.0	3.0	In Zone & North	Good	Excellent	Excellent	1.5	2.0	Ok	
2.5	2.0	3.0	3.0	2.0	1.5	2.0	N/A	2.0	In Zone & North	Good	Very Good	Very Good	1.5	2.0	Ok	
2.0	3.0	3.0	3.0	3.0	2.5	2.5	2.0	3.0	In Zone & North	Below Avg	Very Good	Excellent	3.0	2.5	Ok	
2.0	2.5	2.0	2.0	2.0	2.0	3.0	1.5	2.5	In Zone & North	Excellent	Excellent	Very Good	N/A	4.0	Ok	
2.0	3.0	3.0	3.0	2.5	2.0	3.0	N/A	N/A	In Zone, North & South	Excellent	Excellent	Good	N/A	4.0	Ok	
2.5	2.5	2.5	2.5	2.0	2.0	3.0	3.5	2.5	In Zone & North	Very Good	Very Good	Very Good	2.5	2.5	N/A	
2.0	2.5	2.5	3.0	2.5	2.5	3.0	N/A	N/A	In Zone, North & South	Very Good	Excellent	Very Good	2.0	3.0	N/A	
2.0	2.0	2.5	2.5	2.0	2.0	2.0	3.0	3.0	In Zone & North	Good	Very Good	Excellent	2.5	2.5	C-grp2	
2.0	2.5	1.5	3.0	2.5	1.5	2.5	2.5	2.5	In Zone, North & South	Very Good	Excellent	Excellent	1.5	2.5	Ok	
2.5	2.0	3.0	3.5	2.0	2.0	2.0	N/A	2.0	In Zone & North	Good	Very Good	Excellent	2.0	3.0	N/A	
2.0	3.0	2.0	3.0	3.0	2.5	2.0	2.5	N/A	In Zone & North	Good	Very Good	Very Good	N/A	3.5	Ok	
2.0	3.0	2.5	2.5	2.5	2.0	2.5	2.5	N/A	In Zone & North	Good	Very Good	Excellent	N/A	3.0	Ok	
2.0	2.0	2.5	2.5	2.0	2.5	2.0	2.0	N/A	In Zone & North	Excellent	Excellent	Very Good	N/A	N/A	Ok	
Ear Type	D Determinate			SF Semi-Flex			Planting Rate	ML Medium Low		MH Medium High		Growing Conditions	Tough Low yield env (below 140 bu/ac)		Variable moderate yield env (140-180 bu/ac)	
	SD Semi-Determinate			F Flex				M Medium		H High			Ideal high yield env (above 180 bu/ac)			
Herbicide Sensitivity				C Caution			W Warning (do not use)			grp2 Group 2: SU/ALS inhibitor		grp4 Group 4: growth regulator			grp27 Group 27: HPPD inhibitor	

CONTROL
16
PESTS

PLANT THE BEST TEAM IN TRAITS

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 Duracade
Viptera™

When it comes to corn pest protection, the best offense is a strong defense.

DuracadeViptera™ trait stacks guard corn against **16 above- and below-ground corn pests**, more than any competitive trait stack on the market, so potential threats can't even come close.



FIRST *in the* FIELD

ENLIST® WEED CONTROL SYSTEM— PROVEN CONTROL OF TOUGH WEEDS



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 on PowerCore® Enlist® corn crops.

2,4-D choline

Glyphosate

Glufosinate

FOP Herbicides

 **Enlist Duo®**
COLEX-D® technology
HERBICIDE

- 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

 **Enlist One®**
COLEX-D® technology
HERBICIDE

- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with 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



FIRST *in the* FIELD



PROVEN DEFENSE AGAINST ABOVE-GROUND YIELD ROBBERS

POWERFUL ABOVE-GROUND PROTECTION

Two individual modes of action give corn plants the above-ground protection they need against major pests.



EUROPEAN CORN BORER



CORN EARWORM



FALL ARMYWORM

COMPARE YOUR ABOVE-GROUND PROTECTION OPTIONS

	VT Double PRO [®] RIB Complete [®] Corn Blend ¹	Optimum [®] AcreMax ^{®2}
PRIMARY PESTS		
European Corn Borer (<i>Ostrinia nubilalis</i>)	**	**
Fall Armyworm (<i>Spodoptera frugiperda</i>)	**	*
Corn Earworm ^{3,4} (<i>Helicoverpa zea</i>)	**	
Black Cutworm (<i>Agrotis ipsilon</i>)		*
HERBICIDE TECHNOLOGY	Roundup Ready [®] 2 Technology	Roundup Ready [®] Corn 2 / LibertyLink [®]
REFUGE	5% Refuge-in-a-Bag	5% Refuge-in-a-Bag
REFUGE EXAMPLES		

Modes of action equal control of pest

** Dual-mode activity * Single-mode activity

¹ VT Double PRO[®] RIB Complete[®] is a corn seed blend of 95% *B.t.* seed and 5% non-*B.t.* seed.

² Optimum[®] AcreMax[®] is a RIB blend product.

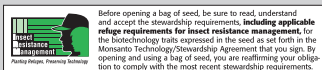
³ Cry1A.105 and Cry2Ab2 from *B.t.* controls or suppresses corn earworm.

⁴ Pioneer claims suppression of corn earworm on the Optimum[®] AcreMax[®] label.



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. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products 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 these products. Excellence Through Stewardship[®] is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready[®] 2 Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Bayer, Bayer Cross, RIB complete[®], Roundup Ready 2 Technology and Design[™], Roundup Ready[®] and VT Double PRO[®] are trademarks of Bayer Group. Used under license. All other products mentioned are trademarks of their respective owners or licensors. ©2021 Bayer Group. All rights reserved.



Take an audio tour



For more information, visit Traits.bayer.ca



2024 SEED GUIDE - SILAGE CORN

SILAGE CORN

We recognize that many of the characteristics desired in a silage corn are greatly different than the characteristics desired in a grain corn. With that in mind, we are working closely with silage breeders that do nothing but silage for our silage lineup. Their entire focus is delivering the best silage with high total plant yield of digestible starch and fiber, a long harvest/chopping window in which the plant dries to the appropriate moisture and remains there for an extended time, and adequate sugars to promote fermentation. **Ultimately, a silage hybrid must produce a robust, reliable, digestible crop that will yield lots of tonnage with high quality and high energy content.** Thunder Seed can provide all of this to you through our silage products.

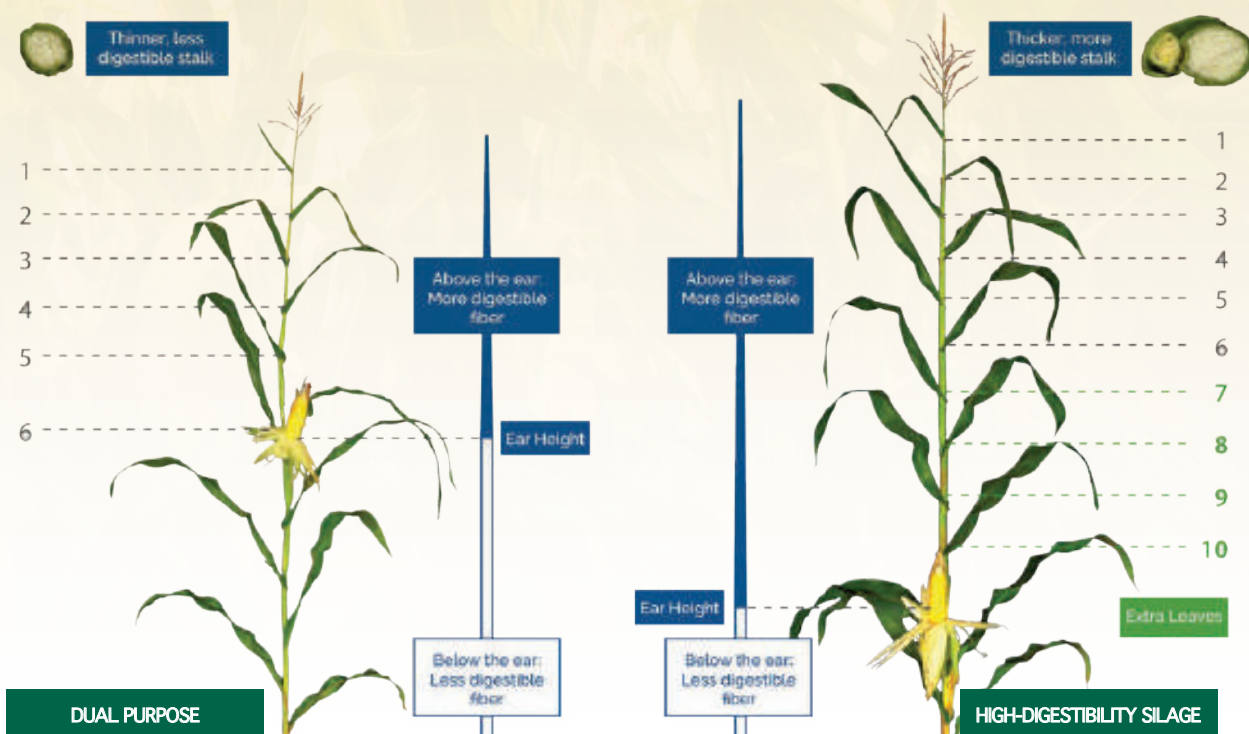
Thunder Seed High-Digestibility (HD) Silage Corn has been bred for ideal silage characteristics.

Yield	High total plant yield of digestible forage.
Kernel Moisture	50% milk line for as long as possible at silage harvest time.
Kernel Hardness	Soft and easily broken for maximum digestion in the rumen.
Kernel Size	Large kernels to increase the possibility of breakage.
Stalk Moisture	Dries to achieve 65% total plant moisture and stays in that range extending harvest window.
Stalk Integrity	As soft and flexible as possible yet strong enough to remain standing through silage harvest.
Ear Height	Low position on stalk to increase proportion of digestible fiber above the ear.
Ideal At Harvest	Large plant with a soft stalk and big ear with large breakable kernels. Stalk and ear dry at a complimentary rate.

	DUAL PURPOSE	BMR	THUNDER SEED HD SILAGE
STRONG AGRONOMICS	▲	▼	▲
HIGH TOTAL PLANT YIELD	▲	▼	▲
LONG CHOPPING WINDOW	▼	▼	▲
SHORT STORAGE PERIOD	▲	▼	▲
RATION TYPE ADAPTABILITY	▼	▲	▲
EXCELLENT FEED QUALITY	▼	▲	▲
HIGH FIBER DIGESTIBILITY	▼	▲	▲
HIGH STARCH CONTENT	▲	▲	▲
HIGH STARCH DIGESTIBILITY	▼	▼	▲

Best Management Practices for growing Thunder Seed High-Digestibility (HD) Silage-Specific Corn:

- Prepare your fields and fertilize as you normally would. Provide proper fertility to get the best yield quantity and quality.
- Plant at medium-low populations to realize optimal yield. This is 10-20% less than you typically do for grain corn, depending on your environment. **A common recommendation for population is 28,000 ppa. However, do not exceed 30,000 ppa regardless of how good your growing conditions may be.** Thunder's HD Silage hybrids are bred to have large flex ears and large robust plant stature. At this medium-low population, you should get maximum yield, best agronomics, and optimal feed quality.
- **Do not harvest for grain.** The soft kernels stay at a high moisture content for a longer time to lengthen the chopping window.
- **Do not mix Thunder HD hybrids with a grain corn within the field** because of differences in plant population, maturity, and harvest window.
- Plant Thunder HD hybrids in an entire field or in a large block to maximize the expression of the soft kernels
- **Target ¾" chop length** when harvesting to help retain effective fiber in the ration. The kernels will be soft and available for digestion without aggressive kernel processing.







2024 SEED GUIDE - SILAGE CORN

Relative Maturity | **86** Days


US SILAGE CORN

T4386 HDRR BRAND

Scan QR for more info



- Exciting silage hybrid with all the same great High-Digestibility characteristics in an earlier maturity
- Big plant with lots of leaves, and large ears with soft floury kernels for great starch digestibility
- Strong agronomics and slow drydown for long chopping window



Relative Maturity | **95** Days


US SILAGE CORN

NEW T4495 HDRR BRAND

Scan QR for more info



- White cob with large, soft floury kernels to boost starch digestibility
- Big hybrid with high total digestibility and great silage yield
- Slow drydown allows long chopping window



Relative Maturity | **95** Days


US SILAGE CORN

NEW T8495 HDSS BRAND

Scan QR for more info

- High yielding silage-specific hybrid with SmartStax to protect against rootworm and corn borer
- Combines high total plant digestibility with large soft kernels with increased starch digestibility
- Plant population ML; 10-20% less than grain corn in your area, but do not exceed 30,000 ppa





PRODUCT	ALSO AVAILABLE	MATURITY	PLANT HEIGHT	EAR HEIGHT	PLANTING RATE	COB COLOR	AGRONOMICS	DROUGHT TOLERANCE	GOSS'S WILT	TOTAL PLANT YIELD	CHOPPING WINDOW	SHORT STORAGE PERIOD	RATION TYPE ADAPTABILITY	FEED QUALITY	FIBER DIGESTIBILITY	STARCH CONTENT	STARCH DIGESTIBILITY
T4386 HDRR		86	Tall	L	ML	Red	1.5	N/A	2.5	1.5	1.5	1.5	1.0	1.5	2.0	2.0	1.5
T4495 HDRR		95	Tall	L	ML	White	1.5	2.0	2.0	1.0	2.0	1.5	1.0	1.5	2.0	2.0	1.5
T8495 HDSS		95	Tall	ML	ML	Pink	1.0	2.0	2.5	1.5	1.5	2.0	1.0	1.5	2.0	1.5	2.0

US SILAGE CORN

Relative Maturity | 101 Days

T4001 HDRR BRAND


ALSO AVAILABLE T2001 HDCONV

Scan QR for more info

T4001 HDRR



- Long white cob and lots of floury kernels providing high grain content
- Big robust hybrid with big silage yield and high total plant digestibility
- Strong agronomics, good drought tolerance, and long chopping window



US SILAGE CORN

Relative Maturity | 102 Days


T8102 HDSS BRAND

Scan QR for more info

T8102 HDSS

- High yielding silage-specific corn hybrid with high total plant digestibility
- Large soft slow-drying kernels with increased starch digestibility
- SmartStax provides protection against corn rootworm and corn borer



PRODUCT	ALSO AVAILABLE	MATURITY	PLANT HEIGHT	EAR HEIGHT	PLANTING RATE	COB COLOR	AGRONOMICS	DROUGHT TOLERANCE	GOSS'S WILT	TOTAL PLANT YIELD	CHOPPING WINDOW	SHORT STORAGE PERIOD	RATION TYPE ADAPTABILITY	FEED QUALITY	FIBER DIGESTIBILITY	STARCH CONTENT	STARCH DIGESTIBILITY
T4001 HDRR	T2001 HDCONV	101	Tall	L	ML	White	1.5	2.0	2.0	1.0	1.5	1.5	1.0	1.5	2.0	2.0	1.5
T8102 HDSS		102	Tall	ML	ML	Pink	1.0	2.0	2.0	1.5	2.0	2.0	1.0	1.5	1.5	1.5	2.0

REVLINE™

HOPPER THROTTLE™ CORN

POWERED BY TERRASYM®

POWERED BY
**BIO-CAPSULE
TECHNOLOGY**

PLANTER BOX INNOVATION DELIVERY SYSTEM
PATENT-PENDING

PLANTER BOX TREATMENT & MICROBIAL SYSTEM FOR OPTIMIZING NUTRIENT UPTAKE TO BUILD ROOT MASS

REVLINE™ HOPPER THROTTLE™ CORN is a best-in-class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters. Can take the place of any seed fluency agent.

The base product also includes 1.35 pounds of Zinc plus Iron and Manganese. These micronutrients are essential building blocks to drive fast emergence and strong, healthy plants.

REVLINE HOPPER THROTTLE CORN is powered by BIO-CAPSULE TECHNOLOGY™ - a patented delivery system that helps farmers save time, labor and fuel. The BIO-CAPSULE TECHNOLOGY carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

The REVLINE HOPPER THROTTLE CORN BIO-CAPSULEs are charged with TERRASYM and an industry-leading consortium of bio-fertility and N-fixing microbes. See diagram below.

[Ultimate coverage on every seed.]



This visual representation of the packaging may be different than the final product.

- **Most convenient method to deliver a high-volume load of zinc to the furrow**
- **Generates massive root structure**
- **Increases early-season iron, manganese and zinc uptake**
- **Puts corn plants in the position to manage season-long stressors and optimize genetic potential**

For best results, use in conjunction with EXCAVATOR™ to manage residue, build stronger stands and unlock early-season nutrients.

BASE INGREDIENTS:

80/20 TALC, GRAPHITE AND MICRONUTRIENT BLEND

GUARANTEED ANALYSIS

Iron (Fe).....	0.70%
Manganese (Mn)	0.90%
Zinc (Zn).....	27.00%
Derived from Ferrous Oxide, Manganese Oxide, and Zinc Sulfate.	

BIO-CAPSULE INGREDIENTS: POWERED BY TERRASYM®

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Azotobacter Chroocuccum.....	7.1x10 ⁸ CFU/g
Azotobacter Vinelandii.....	7.1x10 ⁸ CFU/g
Bacillus Amyloliquefaciens.....	9.6x10 ⁹ CFU/g
Bacillus Licheniformis.....	1.9x10 ¹⁰ CFU/g
Bacillus Megaterium.....	9.6x10 ⁹ CFU/g
Bacillus Pumilus.....	1.6x10 ¹⁰ CFU/g
Bacillus Subtilis	9.6x10 ⁹ CFU/g
Trichoderma Harzianum.....	6.4x10 ⁶ CFU/g
Methylobacterium gregans.....	1x10 ⁹ CFU/g

DIRECTIONS FOR USE & RECOMMENDED USE RATE

Once ready to plant, remove the safety clips from the BIO-CAPSULEs. Push down on the buttons atop the pail to release the biologicals into the base. Seal the pail and shake aggressively to blend the contents. The combined products treat 50 units of corn at 80k seeds per unit.

Before each application, aggressively shake contents to ensure the correct volume is applied.

For a single row unit planters, use the enclosed scoop to measure out blended contents. One scoop treats 1 unit (80K seeds) corn.

DO NOT ACTIVATE BIO-CAPSULE UNTIL READY TO USE. IF ACTIVATED, PRODUCT IS GOOD FOR 7-10 DAYS.

PRODUCT AVAILABILITY

Sold in 2-pail cases to treat 100 units of corn. Each pail is capable of treating 50 units of corn.

NET WEIGHT (per pail): 5.76 lbs (2.61kg)

*Data available for additional information

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218-422-9011 ThunderSeed.com

REVLINE™

HOPPER THROTTLE™ SOYBEAN POWERED BY TERRASYM®

POWERED BY
**BIO-CAPSULE
TECHNOLOGY**
PLANTER BOX INNOVATION DELIVERY SYSTEM
PATENT-PENDING

PLANTER BOX TREATMENT & MICROBIAL SYSTEM FOR OPTIMIZING NUTRIENT UPTAKE TO BUILD ROOT MASS

REVLINETM HOPPER THROTTLETM SOYBEAN is a best-in-class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters. Specifically designed to fix Nitrogen and enhance overall crop performance while taking the place of any seed fluency agent.

The base product also includes Iron and Manganese. These micronutrients are essential building blocks to drive fast emergence and strong, healthy plants.

REVLINE HOPPER THROTTLE SOYBEAN is powered by BIO-CAPSULE TECHNOLOGY™ - a patented delivery system that helps farmers save time, labor and fuel. The BIO-CAPSULE Technology carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

The REVLINE HOPPER THROTTLE SOYBEAN BIO-CAPSULES are charged with TERRASYM and a proprietary triple-stack RACEREDY™ Bradyrhizobia innoculant. See diagram below.

[Ultimate coverage on every seed.]



This visual representation of the packaging may be different than the final product.

- **Drives early-season taproot nodulation and nitrogen fixation**
- **Builds strong, healthy plants fast**
- **Generates massive root structure**
- **Puts soybeans in the position to manage season-long stressors and optimize genetic potential**
- **Herbicide tolerant bradyrhizobia strain (patent # 8772576)**

BASE INGREDIENTS:

80/20 Talc, Graphite and Micronutrient Blend

GUARANTEED ANALYSIS

Iron (Fe).....	0.70%
Manganese (Mn)	0.90%
Derived from Manganese Oxide and Ferrous Oxide.	

BIO-CAPSULE INGREDIENTS: POWERED BY TERRASYM®

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Bradyrhizobium japonicum.....	2x10 ⁵ CFU/g
Methylobacterium hispanicum	1x10 ⁹ CFU/g

DIRECTIONS FOR USE & RECOMMENDED USE RATE

Once ready to plant, remove the safety clips from the BIO-CAPSULES. Push down on the buttons atop the pail to release the biologicals into the base. Seal the pail and shake aggressively to blend the contents. The combined products treat 40 units of soybeans at 140k seeds per unit.

Before each application, aggressively shake contents to ensure the correct volume is applied.

For a single row unit planters: use the enclosed scoop to measure out blended contents. One scoop treats 1 unit (140k seeds) soybeans.

DO NOT ACTIVATE BIO-CAPSULE UNTIL READY TO USE. IF ACTIVATED, PRODUCT IS GOOD FOR 7-10 DAYS.

PRODUCT AVAILABILITY

Sold in 2-pail cases to treat 80 units of soybeans. Each pail is capable of treating 40 units of soybeans.

NET WEIGHT (per pail): 5.31 lbs (2.40kg)

For best results, use in conjunction with EXCAVATOR™ to manage residue, build stronger stands and unlock early-season nutrients.

*Data available for additional information

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2024 SEED GUIDE - SOYBEAN

SOYBEANS

The large selection of soybeans means that we are able to accommodate your soil's needs and provide disease and pest protection for maximum yields. Our Roundup Ready 2 Xtend®, XtendFlex® and Enlist E3® brands provide high tolerance to herbicides allowing for excellent weed control.




US SOYBEAN


Relative Maturity: 000.5

SB890005N BRAND

IDC 2.0
PRR GENE 1c1k



Scan QR for more info



SB890005N

- Ultra-early variety with SCN and stacked genes for PRR
- Slender plant that stands well and prefers narrow rows
- Excellent yield potential; target lighter fertile soils


ROUNDUP READY 2 XTEND SOYBEANS

US SOYBEAN

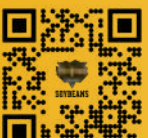
Relative Maturity: 00.6

NEW TX83006 BRAND

IDC 1.7
PRR GENE 1c



Scan QR for more info



TX83006

- Excellent yielding variety that performs across lots of conditions and soils
- Great plant type that does well in narrow and wide rows; can use as an early option farther south
- Strong IDC and white mold tolerance


XTENDFLEX SOYBEANS

US SOYBEAN


Relative Maturity: 00.6

NEW TX84006N BRAND

IDC 1.9
PRR GENE N/A



Scan QR for more info



TX84006N

- Solid performance in mid-00 MG with SCN and IDC
- Excellent emergence and nice plant height with good width fills the row
- Handles stress and low yield environments

XTENDFLEX SOYBEANS

NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	SB890005N	RR2X	000.5	MS	Thin	2.0	1.5	2.0	R	1c1k	2.0	2.5	MR	2.0	N/A
NEW	TX83006	XFLEX	00.6	MT	Intermediate	2.0	2.0	1.7	S	1c	3.0	2.0	N/A	2.0	N/A
NEW	TX84006N	XFLEX	00.6	MT	Intermediate/Bushy	1.5	2.5	1.9	R	N/A	3.0	3.0	R	2.0	N/A



2024 SEED GUIDE - SOYBEAN

US SOYBEAN

Relative Maturity | 00.7

SB88007N BRAND


IDC 1.5
PRR GENE 1k

Scan QR for more info

SB88007N

- Excellent performance across high and low environments
- Outstanding combination of SCN, IDC, PRR 1k, and brown stem rot resistance
- Quick emergence and good stand establishment for northern areas

ROUNDUP READY 2 XTEND SOYBEANS



US SOYBEAN

Relative Maturity | 00.8

TE71008N BRAND

IDC 1.5
PRR GENE 1a

Scan QR for more info

TE71008N

- Good agronomics and yield performance in a true 00 maturity
- Adds SCN combined with excellent IDC
- Good height when grown up north in maturity zone; don't go south

Enlist E3 SOYBEANS



US SOYBEAN

Relative Maturity | 00.8

TX82008N BRAND


IDC 1.9
PRR GENE 1c

Scan QR for more info

TX82008N

- Nice appearance with top pods and very good standability
- Great IDC and PRR field tolerance with SCN
- Adds XtendFlex® advantages into the 00 maturity with excellent genetics

XTENDFLEX SOYBEANS



NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	SB88007N	RR2X	00.7	MT	Thin/Intermediate	1.5	2.0	1.5	R	1k	2.0	2.5	N/A	1.5	N/A
	TE71008N	ENLIST E3	00.8	M	Intermediate	1.5	1.5	1.5	R	1a	2.5	2.5	N/A	2.0	N/A
	TX82008N	XFLEX	00.8	M	Intermediate	1.5	2.0	1.9	MR	1c	2.0	2.0	MR	2.0	N/A

Relative Maturity 0.1

US SOYBEAN

SB8001 BRAND

Scan QR for more info

SB8001

- Solid yields with upright branching and great standability
- Outstanding PRR defense combining excellent field tolerance and 3a gene
- Great overall soybean with agronomics and IDC tolerance

IDC 1.9
PRR GENE 3a

ROUNDUP READY 2 XTEND
SOYBEANS

Relative Maturity 0.1

US SOYBEAN

TX8301 BRAND

Scan QR for more info

TX8301

- Outstanding IDC tolerance that can handle the toughest IDC acres
- Good branching adds to yield and helps fill the rows while also having good white mold tolerance
- Excellent standability

IDC 1.4
PRR GENE 1k

XTENDFLEX
SOYBEANS

Relative Maturity 0.1

US SOYBEAN

TE7101N BRAND

Scan QR for more info

TE7101N

- Great yield performance and stable across environments
- Has SCN with excellent PRR, WM, and IDC
- Attractive plant with great white mold tolerance

IDC 1.9
PRR GENE 1c

Enlist E3
SOYBEANS

NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	SB8001	RR2X	0.1	M	Intermediate	1.5	1.5	1.9	S	3a	1.5	2.0	s	2.0	N/A
	TX8301	XFLEX	0.1	M	Intermediate/Bushy	1.0	1.5	1.4	S	1k	3.5	2.5	R	2.5	N/A
	TE7101N	ENLIST E3	0.1	M	Intermediate	1.5	1.5	1.9	R	1c	1.5	2.0	S	2.5	N/A




2024 SEED GUIDE - SOYBEAN

US SOYBEAN


Relative Maturity | **0.2** |

NEW TX8402N BRAND

IDC 1.4
PRR GENE 1k




Scan QR for more info



TX8402N

- Great performance matched with solid agronomics including excellent IDC
- Widely adapted across lots of acres; N MN and west across ND
- Nice lateral branching adds to the yield and maintains good standability




US SOYBEAN


Relative Maturity | **0.2** |

TE7302N BRAND

IDC 1.9
PRR GENE 1c




Scan QR for more info



TE7302N

- Excellent performance east to west in northern ND & MN
- Top end yield potential with lots of consistency, maintains great performance moving south
- Nice looking plant with good pods and good standability



US SOYBEAN

Relative Maturity | **0.3** |

TX8203 BRAND

IDC 1.7
PRR GENE 1c



Scan QR for more info



TX8203

- Big robust plant with height and width for maturity
- Adapted well for heavy soils and also moves west
- Awesome IDC rating and good white mold tolerance




NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SOS
NEW	TX8402N	XFLEX	0.2	MT	Intermediate/Bushy	2.0	2.0	1.5	MR	1c	3.0	2.5	MR	1.5	N/A
	TE7302N	ENLIST E3	0.2	MS	Intermediate	2.0	2.0	1.9	R	1c	2.0	2.5	MR	2.0	N/A
	TX8203	XFLEX	0.3	MT	Intermediate/Bushy	1.5	3.0	1.7	S	1c	3.5	2.5	R	1.5	3.5

US SOYBEAN


Relative Maturity | **0.3** |

SB8903N BRAND

IDC 1.5
PRR GENE 1c



Scan QR for more info



SB8903N

- Broadly adapted variety with great performance for maturity
- Visually impressive with good plant width and lots of pods
- Exceptional IDC and stress tolerance; good PRR and white mold tolerance

ROUNDUP READY 2
XTEND
SOYBEANS

US SOYBEAN


Relative Maturity | **0.4** |

SB8104N BRAND

IDC 1.6
PRR GENE N/A



Scan QR for more info



SB8104N

- Great looking plant, nice width and good pod height
- Goes anywhere with awesome yield and holds height across variable soils
- Excellent IDC and strong PRR field tolerance


ROUNDUP READY 2
XTEND
SOYBEANS

US SOYBEAN


Relative Maturity | **0.4** |

TX8304N BRAND

IDC 1.5
PRR GENE 1c



Scan QR for more info



TX8304N

- Attractive taller plant with very good standability
- Provides great yields; responds to good conditions and also maintains good performance in tough conditions
- Good disease defense against white mold, PRR, and BSR

XTENDFLEX
SOYBEANS

NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	SB8903N	RR2X	0.3	MT	Intermediate	1.5	2.0	1.5	R	1c	1.5	2.0	S	1.5	N/A
	SB8104N	RR2X	0.4	M	Intermediate	2.0	1.5	1.6	R	N/A	2.0	2.5	N/A	1.5	N/A
	TX8304N	XFLEX	0.4	MT	Intermediate	1.5	2.0	1.5	R	1c	2.5	2.5	MR	1.5	N/A



2024 SEED GUIDE - SOYBEAN

US SOYBEAN

Relative Maturity | **0.5** |

TX8305N BRAND

IDC 1.7
PRR GENE 3a




TX8305N

- Great overall performance with nice height, good pod set, and excellent standability
- Important variety that checks all the boxes including stress
- Strong defense package with great IDC, SCN, WM, and PRR



US SOYBEAN

Relative Maturity | **0.5** |

NEW TE7405N BRAND

IDC 1.5
PRR GENE 3a




Scan QR for more info

TE7405N

- Key Enlist E3® variety at maturity with outstanding yield and IDC
- Uncommon to find this high level of performance with a complete agronomic package of excellent characteristics
- Widely adapted to cover lots of acres in our region


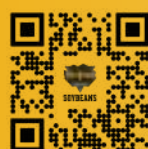


US SOYBEAN

Relative Maturity | **0.7** |

TX8307N BRAND


IDC 1.9
PRR GENE 1c

Scan QR for more info

TX8307N

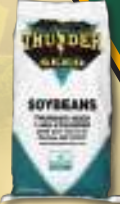
- Good looking med-tall plant with nice pod set and strong yield potential
- Adapted for many different growing conditions; handles both drought stress and saturated soils
- Great defense to protect yield; IDC, PRR, WM, SDS, SCN




NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	TX8305N	XFLEX	0.5	M	Intermediate	2.0	1.5	1.7	R	3a	2.0	2.0	N/A	1.5	N/A
NEW	TE7405N	ENLIST E3	0.5	MT	Intermediate	1.5	2.0	1.5	R	3a	1.5	2.5	R	2.0	N/A
	TX8307N	XFLEX	0.7	MT	Intermediate	2.0	2.5	1.9	R	1c	2.0	2.0	N/A	1.5	1.5

Relative Maturity | **0.7** | US SOYBEAN

NEW TE7407N BRAND | IDC 1.5 PRR GENE 1k




Scan QR for more info




TE7407N

- Defensive rockstar with outstanding IDC tolerance, SCN and SDS
- Excellent PRR field tolerance and handles wet soils
- Modest plant height with lots of pods and overall performance




Relative Maturity | **0.9** | US SOYBEAN

TE7309N BRAND | IDC 1.7 PRR GENE 1k




Scan QR for more info




TE7309N

- Strong emergence with great IDC plus Excluder handles tough soil
- Attractive plant with good height and width to fill the rows
- Very good PRR and SDS tolerance




Relative Maturity | **0.9** | US SOYBEAN

TX8309N BRAND | IDC 1.7 PRR GENE 1c




Scan QR for more info



TX8309N

- Key product for late group 0/early group 1 maturity zone
- Excellent yield performance and agronomics including nice uniform look
- Great defense; IDC, PRR, WM, and SCN



NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
NEW	TE7407N	ENLIST E3	0.7	MS	Intermediate	2.0	2.5	1.5	MR	1k	2.0	3.0	MS	2.0	2.5
	TE7309N	ENLIST E3	0.9	MS	Intermediate/Bushy	1.5	2.5	1.7	MR	1k	2.0	3.0	N/A	2.0	2.0
	TX8309N	XFLEX	0.9	MT	Intermediate	1.0	2.5	1.7	R	1c	2.0	2.5	N/A	2.5	N/A





2024 SEED GUIDE - SOYBEAN

Relative Maturity | **1.1** | US SOYBEAN


TE7011N BRAND

IDC 1.2
PRR GENE 1c

TE7011N



- Showy look in the fall with pods at top of plant
- Exceptional IDC and stress tolerance
- Consistent performance and great defense



Relative Maturity | **1.2** | US SOYBEAN


NEW TX8412N BRAND

IDC 1.7
PRR GENE H3a

TX8412N

- Strong consistent yield performance across our region in Minnesota and Dakotas
- Great IDC and stress tolerance to handle tough conditions
- Big plant can fill the row but also does well in narrow rows and has very good standability



Relative Maturity | **1.4** | US SOYBEAN

NEW TX8414N BRAND

IDC 1.7
PRR GENE 1c




TX8414N

Scan QR for more info

- Impressive yields across a wide range of conditions
- Amazingly great disease defense and agronomics for all its varietal characteristics
- Performance is especially strong across SD and MN





NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	TE7011N	ENLIST E3	1.1	MT	Intermediate	1.5	2.0	1.2	R	1c	2.0	2.5	S	1.5	3.0
NEW	TX8412N	XFLEX	1.2	MT	Bushy	1.5	2.0	1.7	MR	H3a	3.0	3.0	R	2.0	N/A
NEW	TX8414N	XFLEX	1.4	MT	Thin/Intermediate	2.0	2.0	1.7	MR	1c	2.0	2.0	R	2.0	2.0

US SOYBEAN

Relative Maturity | **1.5** |

TX8215N BRAND

IDC 1.9
PRR GENE 3a

Scan QR for more info

TX8215N

- Outstanding variety with excellent yield potential
- Widely adapted and great performance east to west
- Plant with high level of confidence



X TENDFLEX
SOYBEANS

US SOYBEAN

Relative Maturity | **1.5** |

NEW TE7415N BRAND

IDC 2.5
PRR GENE 1k

Scan QR for more info

TE7415N

- Outstanding yields in SD and MN across lots of fields
- Excellent stress tolerance allows it to perform well in tough conditions
- Strong SCN resistance with Peking and extremely solid SDS defense

Enlist E3
SOYBEANS

NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	TX8215N	XFLEX	1.5	MT	Intermediate	1.5	2.0	1.9	R	3a	1.5	2.0	MR	2.0	2.5
NEW	TE7415N	ENLIST E3	1.5	MS	Intermediate	2.0	1.5	2.5	R	1k	2.0	2.5	MR	1.5	1.5



2024 SEED GUIDE - SOYBEAN

US SOYBEAN

Relative Maturity | **1.7** |

NEW TX8417N BRAND

IDC 2.1
PRR GENE 1a



Scan QR for more info



TX8417N

- Exciting new level of performance in maturity
- Excels in wide row width while also doing well in narrow rows
- Great attributes for our growing area including PRR, white mold, SDS, and standability



US SOYBEAN

Relative Maturity | **1.9** |

NEW TE7419N BRAND

IDC 2.2
PRR GENE 1k



Scan QR for more info



TE7419N

- Widely adapted east to west
- Very good SDS and PRR defense
- Best performance in variable and high yielding environments



NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
NEW	TX8417N	XFLEX	1.7	MT	Intermediate/Bushy	1.5	2.0	2.1	R	1a	2.0	1.5	MR	2.0	2.5
NEW	TE7419N	ENLIST E3	1.9	M	Intermediate	2.0	2.0	2.2	MR	1k	2.0	3.0	MR	2.5	2.0

NEW	PRODUCT	TRAIT	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	BSR	STRESS TOLERANCE	SDS
	SB890005N	RR2X	000.5	MS	Thin	2.0	1.5	2.0	R	1c1k	2.0	2.5	MR	2.0	N/A
NEW	TX83006	XFLEX	00.6	MT	Intermediate	2.0	2.0	1.7	S	1c	3.0	2.0	N/A	2.0	N/A
NEW	TX84006N	XFLEX	00.6	MT	Intermediate/Bushy	1.5	2.5	1.9	R	N/A	3.0	3.0	R	2.0	N/A
	SB88007N	RR2X	00.7	MT	Thin/Intermediate	1.5	2.0	1.5	R	1k	2.0	2.5	N/A	1.5	N/A
	TE71008N	ENLIST E3	00.8	M	Intermediate	1.5	1.5	1.5	R	1a	2.5	2.5	N/A	2.0	N/A
	TX82008N	XFLEX	00.8	M	Intermediate	1.5	2.0	1.9	MR	1c	2.0	2.0	MR	2.0	N/A
	SB8001	RR2X	0.1	M	Intermediate	1.5	1.5	1.9	S	3a	1.5	2.0	s	2.0	N/A
	TX8301	XFLEX	0.1	M	Intermediate/Bushy	1.0	1.5	1.4	S	1k	3.5	2.5	R	2.5	N/A
	TE7101N	ENLIST E3	0.1	M	Intermediate	1.5	1.5	1.9	R	1c	1.5	2.0	S	2.5	N/A
NEW	TX8402N	XFLEX	0.2	MT	Intermediate/Bushy	2.0	2.0	1.5	MR	1c	3.0	2.5	MR	1.5	N/A
	TE7302N	ENLIST E3	0.2	MS	Intermediate	2.0	2.0	1.9	R	1c	2.0	2.5	MR	2.0	N/A
	TX8203	XFLEX	0.3	MT	Intermediate/Bushy	1.5	3.0	1.7	S	1c	3.5	2.5	R	1.5	3.5
	SB8903N	RR2X	0.3	MT	Intermediate	1.5	2.0	1.5	R	1c	1.5	2.0	S	1.5	N/A
	SB8104N	RR2X	0.4	M	Intermediate	2.0	1.5	1.6	R	N/A	2.0	2.5	N/A	1.5	N/A
	TX8304N	XFLEX	0.4	MT	Intermediate	1.5	2.0	1.5	R	1c	2.5	2.5	MR	1.5	N/A
	TX8305N	XFLEX	0.5	M	Intermediate	2.0	1.5	1.7	R	3a	2.0	2.0	N/A	1.5	N/A
NEW	TE7405N	ENLIST E3	0.5	MT	Intermediate	1.5	2.0	1.5	R	3a	1.5	2.5	R	2.0	N/A
	TX8307N	XFLEX	0.7	MT	Intermediate	2.0	2.5	1.9	R	1c	2.0	2.0	N/A	1.5	1.5
NEW	TE7407N	ENLIST E3	0.7	MS	Intermediate	2.0	2.5	1.5	MR	1k	2.0	3.0	MS	2.0	2.5
	TE7309N	ENLIST E3	0.9	MS	Intermediate/Bushy	1.5	2.5	1.7	MR	1k	2.0	3.0	N/A	2.0	2.0
	TX8309N	XFLEX	0.9	MT	Intermediate	1.0	2.5	1.7	R	1c	2.0	2.5	N/A	2.5	N/A
	TE7011N	ENLIST E3	1.1	MT	Intermediate	1.5	2.0	1.2	R	1c	2.0	2.5	S	1.5	3.0
NEW	TX8412N	XFLEX	1.2	MT	Bushy	1.5	2.0	1.7	MR	H3a	3.0	3.0	R	2.0	N/A
NEW	TX8414N	XFLEX	1.4	MT	Thin/Intermediate	2.0	2.0	1.7	MR	1c	2.0	2.0	R	2.0	2.0
	TX8215N	XFLEX	1.5	MT	Intermediate	1.5	2.0	1.9	R	3a	1.5	2.0	MR	2.0	2.5
NEW	TE7415N	ENLIST E3	1.5	MS	Intermediate	2.0	1.5	2.5	R	1k	2.0	2.5	MR	1.5	1.5
NEW	TX8417N	XFLEX	1.7	MT	Intermediate/Bushy	1.5	2.0	2.1	R	1a	2.0	1.5	MR	2.0	2.5
NEW	TE7419N	ENLIST E3	1.9	M	Intermediate	2.0	2.0	2.2	MR	1k	2.0	3.0	MR	2.5	2.0

RATING: 1 | EXCELLENT 2 | VERY GOOD 3 | GOOD 4 | BELOW AVERAGE 5 | POOR
 PLANT HEIGHT: S | SHORT MS | MEDIUM SHORT M | MEDIUM MT | MEDIUM TALL T | TALL
 Disease Resistance: R = Resistant, MR = Moderately Resistant, MS = Moderately Susceptible, S = Susceptible



Think Before You Bin Run

Verification Required The last patent on the original Roundup Ready® soybean trait expired a few years ago and U.S. farmers may legally plant saved seed from some varieties of soybean containing the Roundup Ready® soybean trait. However, it is important that you check with your seed supplier to determine if a specific Roundup Ready® soybean variety is covered by other intellectual property rights, and if so, the policy for saving seed of that variety.

Higher Seeding Rate A higher seeding rate may be required for bin-run Roundup Ready® soybeans compared to new branded seed.

Yield Loss Roundup Ready 2 Yield® soybean, Roundup Ready 2 Xtend® soybean, and XtendFlex® soybean varieties typically have a higher yield opportunity than Roundup Ready® soybean varieties.

Cleanout Loss Loss of seed and/or shrink occurs during the seed cleaning and handling processes for bin-run seed.

Seed Treatment Costs Treating your seed will add costs—both the cost of the treatment and the application of that treatment.

Lost Income Every bushel of saved seed you plant is a bushel you're not selling as commodity grain.

Increased Seed Management If you plan to save and bin-run Roundup Ready® soybeans for planting, you will have to manage your harvest operations and grain storage so that the seed isn't co-mingled with other seed that's covered by intellectual property rights.

High Value of New Branded Seed

Latest Technology

- // High-yielding soybean technologies
- // Better variety options
- // Leading seed treatment options

Customer Service

- // Dealer agronomic support before and after the sale
- // Replant policy support
- // Convenient packaging and delivery

Reliable Germination and Quality

- // Rigorously tested and meets U.S. Federal Seed Act requirements
- // Free of seed-borne diseases
- // Properly stored and conditioned

For a list of Bayer's trait patents go to cs.bayerpatents.bayer.com

For questions regarding seed intellectual property, or to anonymously report a saved seed tip, you can contact Bayer in the following ways:

1. Call 1-866-99-BAYER
2. Send a letter: Trait Stewardship, 622 Emerson Rd., Suite 150, Creve Coeur, MO 63141
3. Submit a contact request at croscience.bayer.us/contact or scan the QR code



Bayer is a member of the Seed Innovation and Protection Alliance. Visit www.seedipalliance.com to learn more. SIPA™ is a trademark of the Seed Innovation and Protection Alliance.

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 or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. 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 Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

Roundup Ready® Technology contains genes that confer tolerance to glyphosate. Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Products with XtendFlex® Technology contain 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.

Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs.

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THE SYSTEM OF CHOICE

X TENDFLEX[®]
SOYBEANS



FIRST *in the* **FIELD**



EXCEPTIONAL WEEK CONTROL

XTENDIMAX[®] HERBICIDE

WITH VAPORGRIP[®] TECHNOLOGY

**PERFORMANCE AND FLEXIBILITY
THAT DELIVER RESULTS**

XtendiMax[®] herbicide with VaporGrip[®] Technology is part of the Roundup Ready[®] Xtend Crop System, is a restricted use pesticide and must be used with VaporGrip[®] Xtra Agent (or an equivalent vapor reducing agent). For approved tank-mix products (including VRAs and DRAs), nozzles and other important label information visit XtendiMaxApplicationRequirements.com

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. XtendiMax[®] herbicide with VaporGrip[®] Technology is a restricted use pesticide. Not all products are registered in all states and may be subject to use restrictions. The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Check with your local dealer or representative for the product registration status in your state. ALWAYS READ AND FOLLOW GRASS-MARKETING AND ALL OTHER STEWARDSHIP PRACTICES AND PESTICIDE LABEL DIRECTIONS. See the Products Use Notice for "The System of Choice" advertisement for Roundup Ready[®] Xtend Crop System printed in this publication. ©2021 Bayer Group. All rights reserved.



2024 SEED GUIDE - WHEAT

WHEAT

Thunder Seed has access to some of the most advanced wheat genetics in the world. We take our experience, which is rooted in key hard red spring wheat growing states of ND, SD, and MN, and select varieties with those elite genetics to be adapted specifically for our growing conditions. We are proud to offer outstanding wheat varieties that are exclusively Thunder Seed.



US WHEAT

Hard Red
Spring
Wheat

TW Olympic



Scan QR for
more info

TW OLYMPIC

- Amazing combination of high yield and protein
- Widely adapted to our region; does well across various conditions
- Great standability with medium height and very good straw strength



US WHEAT

Hard Red
Spring
Wheat

NEW TW Trailfire



Scan QR for
more info

TW TRAILFIRE

- Very nice early maturing variety that is adapted to our region
- Performs especially well across tough to various conditions and moves west
- Great standability with medium height and very good straw strength



US WHEAT

Hard Red
Spring
Wheat

TW Starlite



Scan QR for
more info

TW STARLITE

- Unique genetics for our region with dark green foliage and awnless seed head
- Solid performance in the field with good yields and excellent protein
- Medium tall plant height with very good straw strength providing good standability



NEW	PRODUCT	MATURITY	PLANT HEIGHT	FUSARIUM	TEST WEIGHT	YIELD POTENTIAL	PROTEIN POTENTIAL	STRAW STRENGTH	FUSARIUM TOLERANCE	STEM RUST	LEAF RUST	STRIPE RUST	SAWFLY
	TW Olympic	Medium	M	Intermediate	2.5	2.0	2.0	2.0	3.0	MR	MS	R	2.5
NEW	TW Trailfire	Early	M	Intermediate	2.5	2.0	2.0	2.0	3.0	R	I	MR	2.5
	TW Starlite	Medium-Late	MT	Intermediate	2.0	2.5	1.5	2.0	3.0	MR	MR	N/A	N/A



FIRST *in the* **FIELD**

WE'RE FARMERS *first*

ADAMS FARMS

The Adams family's agricultural roots run deep in Minnesota, where the family's youngest generation continues to farm in Wendell. It's a passion that led them into agribusiness in the 1950s as Adams Seed – a legacy that continues today as part of Thunder Seed.



PETERMANN FARMS

The Petermann family lives and farms in Hawley, Minnesota, where their strong passion for agriculture continues from generation to generation. In 1960, they formed Petermann Seeds Inc. to share their success with others.



TOBOLT FARMS

Farming is way of life for the Tobolt family, who live and farm in Moorhead, Minnesota. Tobolt Seed, an 80-year-old family-owned business, continues helping farmers today as part of Thunder Seed.




STAY INFORMED WHILE YOU *grow*

From our website to social media pages, we offer several resources for you to stay connected with us. Through these channels, you'll have the agronomic insight you need on new seed varieties, treatments and techniques to maximize yield potential.

Be sure to join us around the cyber tailgate! Stay connected with us on Facebook, Twitter and Instagram and check out our videos on our website, thunderseed.com.

Text **THUNDERSEED** to **25827** to join our text club to stay up to date on current information!

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PROUD SPONSOR OF



Thunder Seed supports and sponsors Farm Rescue® because when something goes wrong, we all stick together. We're proud to help families get through unexpected challenges and keep farms going.



Thunder Seed is proud to invest and support the National FFA organization as it makes a positive difference in the lives of students by developing their potential for leadership, personal growth and career success through agricultural educations.



Thunder Seed is proud to invest and support the 4-H organization where kids complete hands-on projects in areas like health, science, agriculture and citizenship, to take on proactive leadership roles.

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ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. 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.

Refuge seed may not always contain the DroughtGard® trait. 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.

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. 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



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/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and agreement 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

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

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html). To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience. 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. Enlist corn contains genes that confer tolerance to 2,4-D and -fop herbicides. 2,4-D and -fop herbicides will damage or kill crops that are not tolerant to 2,4-D or -fops.

IRM - Properly managing trait technology is key to preserving it as a long-term crop protection tool. Growers who fail to comply with IRM requirements risk losing access to this product. To help preserve the effectiveness of B.t. corn technologies, growers planting B.t. corn technologies are required to follow an IRM Plan. Consult the Corn Product Use Guide for appropriate refuge configuration options. 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 Use Agreement and Product Use Guide. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements. For complete details on IRM requirements for hybrids with Bt technology, including refuge examples and important information on the use of insecticides on refuge and Bt corn acres, please consult appropriate Product Use Guide. Go to www.corteva.us/Resources/trait-stewardship.html to download the latest Corteva Agriscience Corn Product Use Guide.

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

Enlist Duo® and Enlist One® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions. Enlist E3® soybeans were jointly developed by Corteva Agriscience and MS Technologies, LLC. ®™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience. PowerCore® multi-event technology developed by Corteva Agriscience and Monsanto. Roundup®, Roundup Ready®, Roundup Ready 2 Technology and Design, and PowerCore® are registered trademarks of Monsanto Technology LLC. Liberty Link® and the Water Droplet Design® are registered trademarks of BASF. Enlist®, Colex-D®, and Refuge Advanced® are trademarks of Corteva Agriscience and its affiliated companies. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

PowerCore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products.

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.



Corn trait technology incorporated into these seeds is commercialized under license from Syngenta Seeds, LLC. Herculex® Technology incorporated into these seeds is commercialized under license from Corteva Agriscience LLC. HERCULEX® and the HERCULEX Shield are trademarks of Corteva Agriscience LLC.

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.

More information about Duracade® is available at <http://www.biotradestatus.com/>.

Agrisure®, Agrisure® Above, Duracade®, DuracadeViptera™, Viptera® and E-Z Refuge® are trademarks of a Syngenta Group Company.

And on the 8th day, God looked down on his planned paradise and said, "I need a caretaker"

So God made a Farmer.


- Paul Harvey




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