

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.





2024 SEED GUIDE

HIGH-YIELDING, TECHNOLOGY DRIVEN SEED



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



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, Fall Armyworm, Western Bean Cutworm, Black Cutworm, Corn Earworm



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

Get broad 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 soybean variety 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. Get the best weed protection this season to experience high yields in your fields.



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 introduction 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.

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 - GRAIN CORN

GRAIN CORN

Thunder Seed's selection of top-performing hybrids have the combination of traits and characteristics needed for growing success in your fields.



Relative Maturity | **70** Days

TH6370 VT2P BRAND

GRAIN CORN




Scan QR for more info

- Super early flowering and early maturity; good hybrid for ultra early silage market
- Excellent emergence and seedling vigor gets the plant growing quickly
- Very good tolerance to heat and drought stress through the growing season

VTDoublePRO
RIB COMPLETE

Relative Maturity | **72** Days

TH6072 VT2P BRAND

GRAIN CORN




Scan QR for more info

- Excellent 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

Relative Maturity | **72** Days

TH4072 RR BRAND

GRAIN CORN




Scan QR for more info

- Excellent early maturity with very good test weight, fast dry down, and fall appearance
- Great emergence and seedling vigor for early planting
- Good stalks and staygreen; nice hybrid for early silage & grazing market

Roundup Ready 2
CORN

NEW	PRODUCT	TRAIT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GUSS'S WILT	NCLB	STALK ANTHRACNOSE	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
	TH6370 VT2P	VT2P RIB	70	Early	1925	M	ML	SD	MHH	14-16	1.5	2.0	2.5	2.0	2.5	2.5	1.5	2.0	2.5	2.0	2.0	2.0	VG	VG	G	Ok
	TH6072 VT2P	VT2P RIB	72	Medium	2025	M	M	SD	MHH	14-16	2.0	2.0	2.5	2.5	2.5	2.5	2.0	2.0	2.5	3.5	2.5	2.0	VG	VG	VG	Ok
	TH4072 RR	RR2	72	Medium	2025	M	M	SD	MHH	14-16	2.0	2.0	2.5	2.5	2.5	2.5	2.0	2.0	2.5	3.5	2.5	2.0	VG	VG	VG	Ok





2024 SEED GUIDE - GRAIN CORN

Relative Maturity | **74** Days

GRAIN CORN


NEW TH6474 VT2P BRAND

Scan QR for more info

TH6474 VT2P



- Strong emergence and uniformity provides foundation for great yield potential
- Nice ear size and good flex allows medium plant population
- Healthy plant with good disease tolerance and staygreen



Relative Maturity | **77** Days

GRAIN CORN


TH6977 VT2P BRAND

Scan QR for more info

TH6977 VT2P

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



Relative Maturity | **78** Days

GRAIN CORN

TH6278 VT2P BRAND




Scan QR for more info

TH6278 VT2P

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



NEW	PRODUCT	TRAIT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
NEW	TH6474 VT2P	VT2P RIB	74	Medium	2075	M	M	SF	M	16	2.0	2.5	2.0	2.5	2.5	2.0	2.5	2.5	2.5	3.0	2.5	3.0	VG	VG	VG	N/A
	TH6977 VT2P	VT2P RIB	77	Med-Early	2175	M	M	SD	MH	12-14	3.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.5	2.0	3.0	4.0	EX	EX	VG	Ok
	TH6278 VT2P	VT2P RIB	78	Medium	2225	MT	M	SD	MH	14-16	2.0	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.5	2.0	3.0	2.5	EX	EX	VG	Ok

GRAIN CORN

Relative Maturity

80 Days



TH6380 VT2P BRAND



Scan QR for more info

TH6380 VT2P

- Excellent combination of top yield performance and stability; good stress tolerance
- Awesome agronomics including very strong roots and stalks; great tolerance to Goss and NCLB
- Girthy semi-flex ear allows for Medium planting populations



GRAIN CORN

Relative Maturity

82 Days



TH6182 VT2P BRAND



Scan QR for more info

TH6182 VT2P

- Elite hybrid with excellent yields and drought stress tolerance
- Quick start in spring with great emergence and vigor
- Very good Goss's Wilt tolerance; good staygreen and drydown in fall



GRAIN CORN

Relative Maturity

83 Days



NEW TH8483 DV BRAND



Scan QR for more info

TH8483 DV

- Exciting DuracadeViptera™ hybrid with great yields on highly productive fields and also handles stress conditions
- Tall plant provides excellent dual purpose silage option for corn-on-corn acres with rootworm pressure
- Showy plant with fantastic health, ear flex and agronomics



NEW	PRODUCT	TRAIT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
	TH6380 VT2P	VT2P RIB	80	Medium	2325	M	M	SF	M	16-18	2.0	1.5	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	1.5	3.0	VG	EX	EX	Ok
	TH6182 VT2P	VT2P RIB	82	Early	2400	MT	M	SF	M-MH	16-18	2.0	2.0	2.5	2.5	2.0	2.5	2.5	2.5	2.0	2.0	2.0	2.5	VG	EX	EX	Ok
NEW	TH8483 DV	DV	83	Med-Late	2475	MT	MH	SF	M-MH	18-20	1.5	2.5	2.0	2.5	1.5	2.5	3.0	2.5	2.5	2.0	2.5	2.0	G	VG	EX	Ok



2024 SEED GUIDE - GRAIN CORN

GRAIN CORN

Relative Maturity

85
Days



Scan QR for more info

TH6185 VT2P BRAND



TH6185 VT2P

- Strong yields; very stable in tough env with great drought tolerance
- Medium-tall plant with girthy ears, some flex, and good kernel depth
- Full 85 day hybrid so place in southern RRV & use caution based on maturity

VTDoublePRO
RIB COMPLETE

GRAIN CORN

Relative Maturity

93
Days



Scan QR for more info

TH6993 VT2P BRAND



TH6993 VT2P

- Solid agronomics including excellent emergence, strong roots & stalks, and great staygreen
- Takes advantage of ideal conditions but handles tough conditions very well
- Moves north as a full season hybrid very well

VTDoublePRO
RIB COMPLETE

NEW	PRODUCT	TRAIT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
	TH6185 VT2P	VT2P RIB	85	Medium	2550	MT	MH	SF	M-MH	18-20	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	3.0	2.0	EX	EX	VG	OK
	TH6993 VT2P	VT2P RIB	93	Medium	2830	MT	M	SD	M-MH	16-18	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.5	3.0	2.0	2.0	EX	EX	VG	OK

2024 SEED GUIDE - GRAIN CORN

NEW	PRODUCT	TRAIT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GOSS'S WILT	NCLB	STALK ANTHRACNOSE	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
	TH6370 VT2P	VT2P RIB	70	Early	1925	M	ML	SD	MHH	14-16	1.5	2.0	2.5	2.0	2.5	2.5	1.5	2.0	2.5	2.0	2.0	2.0	VG	VG	G	Ok
	TH6072 VT2P	VT2P RIB	72	Medium	2025	M	M	SD	MHH	14-16	2.0	2.0	2.5	2.5	2.5	2.5	2.0	2.0	2.5	3.5	2.5	2.0	VG	VG	VG	Ok
	TH4072 RR	RR2	72	Medium	2025	M	M	SD	MHH	14-16	2.0	2.0	2.5	2.5	2.5	2.5	2.0	2.0	2.5	3.5	2.5	2.0	VG	VG	VG	Ok
NEW	TH6474 VT2P	VT2P RIB	74	Medium	2075	M	M	SF	M	16	2.0	2.5	2.0	2.5	2.5	2.0	2.5	2.5	2.5	3.0	2.5	3.0	VG	VG	VG	N/A
	TH6977 VT2P	VT2P RIB	77	Med-Early	2175	M	M	SD	MH	12-14	3.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.5	2.0	3.0	4.0	EX	EX	VG	Ok
	TH6278 VT2P	VT2P RIB	78	Medium	2225	MT	M	SD	MH	14-16	2.0	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.5	2.0	3.0	2.5	EX	EX	VG	Ok
	TH6380 VT2P	VT2P RIB	80	Medium	2325	M	M	SF	M	16-18	2.0	1.5	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	1.5	3.0	VG	EX	EX	Ok
	TH6182 VT2P	VT2P RIB	82	Early	2400	MT	M	SF	M-MH	16-18	2.0	2.0	2.5	2.5	2.0	2.5	2.5	2.5	2.0	2.0	2.0	2.5	VG	EX	EX	Ok
NEW	TH8483 DV	DV	83	Med-Late	2475	MT	MH	SF	M-MH	18-20	1.5	2.5	2.0	2.5	1.5	2.5	3.0	2.5	2.5	2.0	2.5	2.0	G	VG	EX	Ok
	TH6185 VT2P	VT2P RIB	85	Medium	2550	MT	MH	SF	M-MH	18-20	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	3.0	2.0	EX	EX	VG	Ok
	TH6993 VT2P	VT2P RIB	93	Medium	2830	MT	M	SD	M-MH	16-18	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.5	3.0	2.0	2.0	EX	EX	VG	Ok

Rating	Plant Height	Ear Height	Ear Type	Planting Rate	Herbicide Sensitivity	Growing Conditions
1 Excellent	S Short	L Low	D Determinate	ML Medium Low	C Caution	Tough Low yield env (below 140 bu/ac)
2 Very Good	MS Medium Short	ML Medium Low	SD Semi-Determinate	M Medium	W Warning (do not use)	Variable moderate yield env (140-180 bu/ac)
3 Good	M Medium	M Medium	SF Semi-Flex	MH Medium High	grp4 Group 4: growth regulator	Ideal high yield env (above 180 bu/ac)
4 Below Average	MT Medium Tall	MH Medium High	F Flex	H High	grp2 Group 2: SU/ALS inhibitor	G VG EX Good Very Good Excellent
5 Poor	T Tall	H High			grp27 Group 27: HPPD inhibitor	

RR - Roundup Ready® Corn 2 | VT2P RIB - VT Double PRO® RIB Complete® Corn Blend



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>Helioverpa 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.



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 Monsanto Technology Stewardship 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.



Take an audio tour



For more information, visit Traits.bayer.ca

syngenta

 Duracade
Viptera™



IT'S DEFENSE SEASON

DuracadeViptera™ is your first line of defense against the mid-season threats of corn earworm, western bean cutworm and corn rootworm. **Control of 16 corn pests** allows for winning seasons and more successful harvests, so you can start and finish strong.

Defend from every angle
at [Syngenta.ca/CornTraits](https://www.syngenta.ca/CornTraits)



Images are representative of Syngenta product performance.

Always read and follow label and bag tag directions. DuracadeViptera™ is a trademark of a Syngenta Group Company. All other trademarks are property of their respective owners. © 2023 Syngenta.

ABOVE

BELOW





SILAGE CORN

We recognize that many of the characteristics desired in a silage corn are different than the characteristics desired in a grain corn. 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.

Relative Maturity

76
Days


SILAGE CORN
TH4076 HDRR BRAND

Scan QR for more info

TH4076 HDRR



- High-digestibility hybrid bred specifically for silage and grazing
- Slower drydown provides longer chopping window
- Great combination of tonnage and total plant digestibility



Relative Maturity

79
Days


SILAGE CORN
TH4126 RR BRAND

Scan QR for more info

TH4126 RR

- Quick out of the ground and great seedling vigor
- Great yield, grain quality, and digestibility
- Flint/dent hybrid sets kernel quickly but drydown is slower



NEW	PRODUCT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GOSS'S WILL	NCLB	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
	TH4076 HDRR	76	Med-Late	2150	MT	M	SF	M	14-16	2.0	1.0	3.0	2.0	2.0	2.0	4.0	3.0	N/A	2.0	1.5	VG	VG	VG	Ok
	TH4126 RR	79	Medium	2250	MT	M	SF	MH	12-16	2.0	2.0	2.0	3.0	2.0	2.0	4.0	2.0	N/A	N/A	2.0	VG	VG	VG	Ok

Relative Maturity

79
Days

SILAGE CORN

TH4126 ORG BRAND




Scan QR for more info

TH4126 ORG



- Quick out of the ground and great seedling vigor
- Great yield, grain quality, and digestibility
- Flint/dent hybrid sets kernel quickly but drydown is slower

Relative Maturity

80
Days

SILAGE CORN

TH6180 VT2P BRAND

Scan QR for more info

TH6180 VT2P

- Great silage and grazing hybrid with corn borer protection
- Good quality, yield, and digestibility across wide range of environments
- Solid agronomics and nice flint/dent kernels allow slower drydown

VTDoublePRO
RIB COMPLETE

NEW	PRODUCT	MATURITY	FLOWERING	CHU'S TO BLACK LAYER	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANTING RATE	KERNEL ROWS	SEEDLING VIGOR	ROOT RATING	STALK RATING	DROUGHT TOL.	GREENSNAP	STAYGREEN	DRYDOWN	TEST WEIGHT	GOSS'S WILL	NCLB	SILAGE POTENTIAL	TOUGH CONDITIONS	VARIABLE CONDITIONS	IDEAL CONDITIONS	HERBICIDE SENSITIVITY
	TH4126 ORG	79	Medium	2250	MT	M	SF	MH	12-16	2.0	2.0	2.0	3.0	2.0	2.0	4.0	2.0	N/A	N/A	2.0	VG	VG	VG	Ok
	TH6180 VT2P	80	Medium	2300	T	M	SF	MH	14-16	2.0	2.0	2.0	2.5	2.0	2.0	4.0	2.0	N/A	N/A	2.0	VG	VG	VG	Ok



2024 SEED GUIDE - SILAGE CORN

HIGH-DIGESTIBILITY

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.

BMP's for growing Thunder Seed High-Digestibility (HD) Silage-Specific Corn:

- Fertilize and prepare your fields 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 may typically equate to around 3,000-5,000 plants/acre fewer than you typically do for grain, depending on your environment. **However, do not exceed 30,000 plants/acre regardless of how good your growing conditions may be.** Thunder's High-Digestibility Silage hybrids are bred to have large flex ears and large robust plant stature.
- **Do not harvest for grain.** The soft kernels stay at a high moisture content for a longer time to lengthen the chopping window.

Relative Maturity | **86** Days

SILAGE CORN
TH4386 HDRR BRAND



Scan QR for more info
TH4386 HDRR

- Exciting silage hybrid with all the great High-Digestibility characteristics
- 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

SILAGE CORN
NEW TH4495 HDRR BRAND





Scan QR for more info
TH4495 HDRR

- 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



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
TH4386 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
TH4495 HDRR		95	Tall	L	ML	Light	1.5	2.0	2.0	1.0	2.0	1.5	1.0	1.5	2.0	2.0	1.5



	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	▼	▼	▲



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®, Roundup Ready 2 Xtend® 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—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 more information on seed intellectual property protection, or to anonymously report a tip, please call 1-866-99-BAYER. For a list of relevant patents visit www.monsantotechnology.com

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.

Bayer, Bayer Cross, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup® and XtendFlex® are registered trademarks of Bayer Group. ©2020 Bayer Group. All rights reserved.

THE SOYBEAN SYSTEM YOU CAN'T RESIST

The Roundup Ready® Xtend Crop System combines the high yield potential of Roundup Ready 2 Xtend® soybeans with built-in tolerance to both glyphosate and dicamba chemistries.

Applying the higher rate of Roundup Xtend® in your first pass provides short-term residual activity on small seeded broadleaves* with the added ability to effectively manage resistance concerns.

EARLY SEASON CONTROL TO GET AHEAD
OF THE WEEDS AND STAY THERE.

traits.bayer.ca »

*Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

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. Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Contact your local crop protection dealer or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs. Bayer, Bayer Cross, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup WeatherMAX®, Roundup Xtend®, VaporGrip® and XtendiMax® are registered trademarks of Bayer Group. ©2021 Bayer Group. All rights reserved.



ROUNDUP READY®
XTEND
CROP SYSTEM

ROUNDUP READY 2
XTEND
SOYBEANS

+
Roundup
XTEND
VaporGrip®
PRE-MIX

Dicamba and
Glyphosate Pre-mix



2024 SEED GUIDE - SOYBEANS

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 lineup includes Xtend, XtendFlex, and Enlist E3 providing high level of tolerance a broad range of herbicides able to address any weed problems you may have in your fields.



SOYBEAN

Relative Maturity

00.9

TH830009X BRAND

IDC 1.9
PRR GENE 1c



Scan QR for more info

TH830009X

- Tall, big plant suited adapted well for western Canada
- Strong yield performance versus competitive varieties; good yield west of the valley, great yield in the valley
- Recommended for anyone wanting an early variety north to south; especially north of Hwy 1



SOYBEAN

Relative Maturity

00.2

TH89004 R2X BRAND

IDC 1.7
PRR GENE 1c



Scan QR for more info

TH89004 R2X

- Medium-tall plant widely adaptable across broad geography
- Good performance in heavy soils and moves west very well
- Great defense against IDC and PRR



SOYBEAN

Relative Maturity

00.2

NEW TH84002X BRAND

IDC 1.7
PRR GENE 1c



Scan QR for more info

TH84002X

- Extremely well-rounded and widely adapted to western Canada
- Impressive yield potential for early group 00 maturity and outstanding companion to TH83004X
- Solid defensive characteristics including IDC, PRR, and white mold tolerance



SOYBEAN

Relative Maturity

00.3

TH87003 R2X BRAND

IDC 1.7
PRR GENE 1c



Scan QR for more info

TH 87003 R2X

- Tall, aggressive, and impressive variety
- Excellent yields consistently across zones and soil types
- Great IDC, SCN and disease package



NEW	PRODUCT	Trait	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	CHU	FLOWER COLOR	HILUM COLOR	POD COLOR	PUBESCENCE COLOR
	TH830009X	RR2X	000.9	MT	Intermediate/Bushy	2.0	2.0	1.9	S	1c	3.0	2.0	2275	P	BL	BR	TB
	TH89004 R2X	RR2X	00.2	MT	Thin/Intermediate	2.0	2.5	1.7	S	1c	2.0	2.5	2350	P	BR	BR	TB
NEW	TH84002X	RR2X	00.2	MT	Intermediate	2.0	1.5	1.7	R	1c	2.0	2.5	2350	P	BL	BR	TB
	TH87003 R2X	RR2X	00.3	T	Intermediate	1.5	2.5	1.7	R	1c	2.0	2.5	2375	P	BL	BR	TB

Relative Maturity | **00.4** | SOYBEAN

TH83004X BRAND

THUNDER SOYBEANS
THUNDERSEED.COM
1-888-684-8633

Scan QR for more info

TH83004X

- Excellent yield performance at a key maturity for MB; strong adaptation to western Canada
- Tall plant with upright branches that stand well
- Great agronomics and defense characteristics support placement across wide geography

IDC 1.5
PRR GENE 1k

ROUNDUP READY 2
X TEND
SOYBEANS

Relative Maturity | **00.5** | SOYBEAN

TH82005 R2X BRAND

THUNDER SOYBEANS
THUNDERSEED.COM
1-888-684-8633

Scan QR for more info

TH82005 R2X

- Consistent look and good yield potential across MB acres
- Strong emergence and very good IDC and salt tolerance
- Nice plant type that works across row widths and soils types

IDC 1.7
PRR GENE 1k

ROUNDUP READY 2
X TEND
SOYBEANS

Relative Maturity | **00.5** | SOYBEAN

NEW TH84005XF BRAND

THUNDER SOYBEANS
THUNDERSEED.COM
1-888-684-8633

Scan QR for more info

TH84005XF

- Tall bushy plant fills the rows, stands very well, and has a great appearance with heavy pod load
- XtendFlex trait brings more weed weed control power
- Excellent emergence and solid yields; best positioned in maturity zone and south

IDC 2.0
PRR GENE 1c

X TEND FLEX
SOYBEANS

Relative Maturity | **00.7** | SOYBEAN

TH81007 R2XN BRAND

THUNDER SOYBEANS
THUNDERSEED.COM
1-888-684-8633

Scan QR for more info

TH81007 R2XN

- Complete combination of yield, agronomics, and disease defense
- Nice medium-tall plant with good width to fill the rows
- Excellent IDC and PRR field tolerance in addition to SCN resistance

IDC 1.8
PRR GENE H1c

ROUNDUP READY 2
X TEND
SOYBEANS

NEW	PRODUCT	Trait	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	CHU	FLOWER COLOR	HILUM COLOR	POD COLOR	PUBESCENCE COLOR
	TH83004X	RR2X	00.4	T	Intermediate	1.5	2.0	1.5	S	1k	3.0	2.5	2400	P	BL	BR	TB
	TH82005 R2X	RR2X	00.5	MT	Intermediate/Bushy	1.5	2.5	1.7	S	1k	2.5	3.0	2425	P	BR	BR	LT
NEW	TH84005XF	XFLEX	00.5	T	Intermediate/Bushy	1.5	2.0	2.0	R	1c	2.5	3.0	2425	P	BL	BR	TB
	TH81007 R2XN	RR2X	00.7	MT	Intermediate	2.0	2.5	1.8	R	H1c	2.0	2.5	2475	P	BR	BR	TB

SOYBEAN

Relative Maturity 00.7

NEW TH74007E BRAND

IDC 17
PRR GENE 3a




TH74007E

- Impressive Enlist variety with a huge leap forward with yield potential
- Complete package of agronomics, stress tolerance, and defense
- Productive lateral branches set pods and show wide yield expression across the row





Scan QR for more info

SOYBEAN

Relative Maturity 00.8


TH82008XF BRAND

IDC 17
PRR GENE 1c

TH82008XF

- 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





Scan QR for more info

SOYBEAN

Relative Maturity 0.6


NEW TH7406E BRAND

IDC N/A
PRR GENE 1k3a

TH7406E

- Fully loaded disease package including PRR gene stack and outstanding field tolerance
- Performs well across different soils and conditions; very good performance in drought stress
- Intermediate plant canopy with excellent standability and good white mold tolerance




Scan QR for more info

SOYBEAN

Relative Maturity 1.1


NEW TH7411E BRAND

IDC N/A
PRR GENE 1c




TH7411E

- Great performance central and east; well suited for Eastern Canada
- Excellent phytophthora root rot and white mold tolerance
- High yield potential on moderate plant type with excellent standability



Scan QR for more info

NEW	PRODUCT	Trait	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	CHU	FLOWER COLOR	HILUM COLOR	POD COLOR	PUBESCENCE COLOR
NEW	TH74007E	ENLIST	00.7	M	Bushy	1.5	2.0	1.7	R	3a	1.5	2.5	2475	P	BU	LB	G
	TH82008XF	XFLEX	00.8	M	Intermediate	1.5	2.0	1.7	MR	1c	2.0	2.0	2500	P	BL	LB	LT
NEW	TH7406E	ENLIST	0.6	M	Intermediate	2.0	1.5	N/A	MR	1k3a	1.0	2.5	2700	P	BU	LB	G
NEW	TH7411E	ENLIST	1.1	M	Intermediate	2.0	1.5	N/A	R	1c	1.5	2.0	2825	P	IB	LB	G

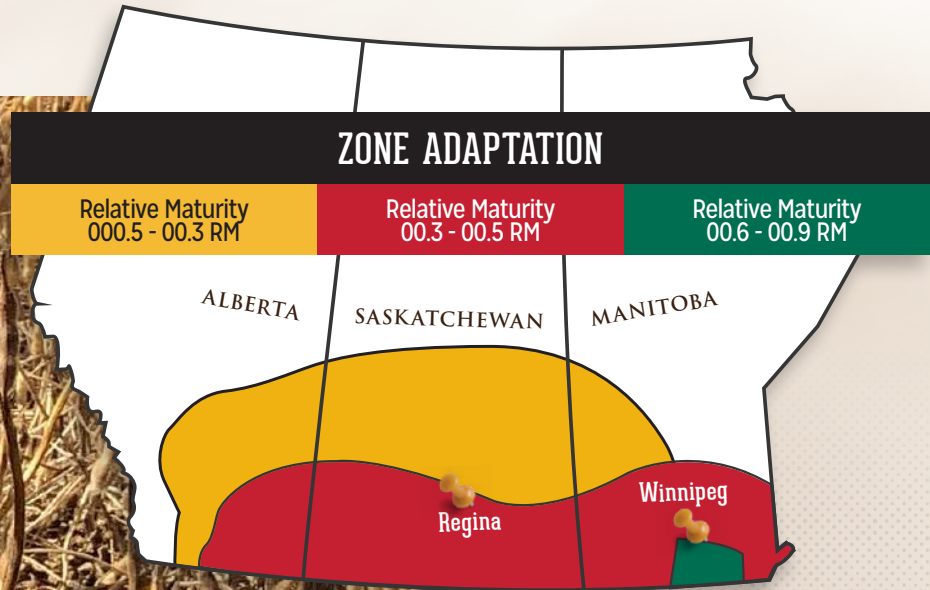
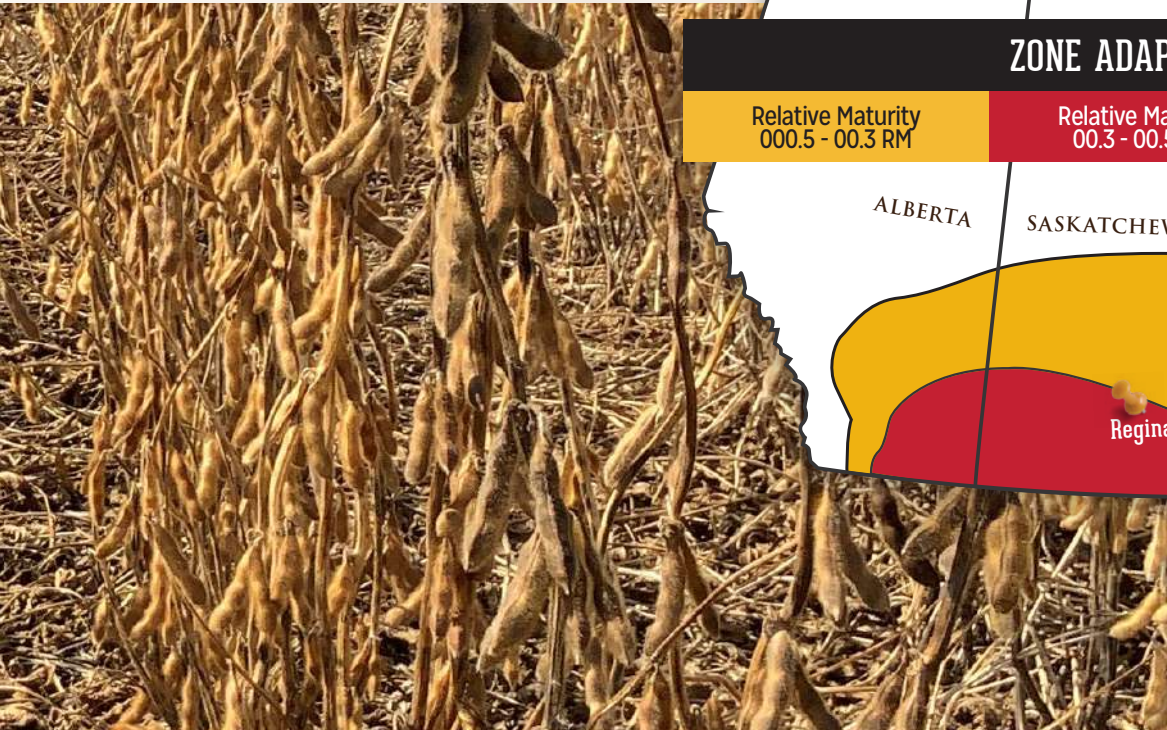


2024 SEED GUIDE - SOYBEANS

AGRONOMIC INFORMATION GUIDE

NEW	PRODUCT	Trait	MATURITY	PLANT HEIGHT	PLANT TYPE	EMERGENCE	STANDABILITY	IDC	SCN	PHYTOPHTHORA GENE	PHYTOPHTHORA FIELD TOLERANCE	WHITE MOLD	CHU	FLOWER COLOR	HILUM COLOR	POD COLOR	PUBESCENCE COLOR
	TH830009X	RR2X	000.9	MT	Intermediate/Bushy	2.0	2.0	1.9	S	1c	3.0	2.0	2275	P	BL	BR	TB
	TH89004 R2X	RR2X	00.2	MT	Thin/Intermediate	2.0	2.5	1.7	S	1c	2.0	2.5	2350	P	BR	BR	TB
NEW	TH84002X	RR2X	00.2	MT	Intermediate	2.0	1.5	1.7	R	1c	2.0	2.5	2350	P	BL	BR	TB
	TH87003 R2X	RR2X	00.3	T	Intermediate	1.5	2.5	1.7	R	1c	2.0	2.5	2375	P	BL	BR	TB
	TH83004X	RR2X	00.4	T	Intermediate	1.5	2.0	1.5	S	1k	3.0	2.5	2400	P	BL	BR	TB
	TH82005 R2X	RR2X	00.5	MT	Intermediate/Bushy	1.5	2.5	1.7	S	1k	2.5	3.0	2425	P	BR	BR	LT
NEW	TH84005XF	XFLEX	00.5	T	Intermediate/Bushy	1.5	2.0	2.0	R	1c	2.5	3.0	2425	P	BL	BR	TB
	TH81007 R2XN	RR2X	00.7	MT	Intermediate	2.0	2.5	1.8	R	H1c	2.0	2.5	2475	P	BR	BR	TB
NEW	TH74007E	ENLIST	00.7	M	Bushy	1.5	2.0	1.7	R	3a	1.5	2.5	2475	P	BU	LB	G
	TH82008XF	XFLEX	00.8	M	Intermediate	1.5	2.0	1.7	MR	1c	2.0	2.0	2500	P	BL	LB	LT
NEW	TH7406E	ENLIST	0.6	M	Intermediate	2.0	1.5	N/A	MR	1k3a	1.0	2.5	2700	P	BU	LB	G
NEW	TH7411E	ENLIST	1.1	M	Intermediate	2.0	1.5	N/A	R	1c	1.5	2.0	2825	P	IB	LB	G

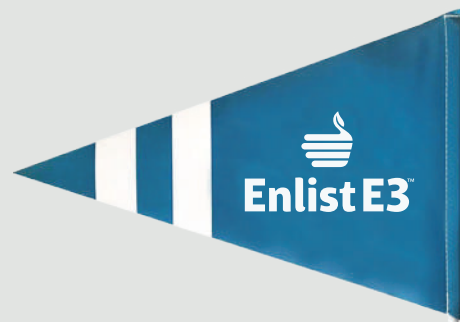
RATING: 1 | EXCELLENT 2 | VERY GOOD 3 | GOOD 4 | BELOW AVERAGE 5 | POOR
 PLANT HEIGHT: S | SHORT MS | MEDIUM SHORT M | MEDIUM MT | MEDIUM TALL T | TALL



HIGH YIELDS AND CLEAN FIELDS.

High yields and clean fields. Choose Enlist E3™ soybeans. For control of tough weeds, Enlist™ herbicides offer choice and tank mix flexibility.

Enlist E3 soybeans. The best in beans. Period.



* Trademarks of Corteva Agriscience and its affiliated companies. © 2021 Corteva



Enlist E3™ soybean varieties are now available. Using the Enlist weed control system, farmers can take control of resistant and hard-to-control weeds.

The Enlist™ weed control system will change how you think about weed management in soybeans.

WHY USE THE ENLIST WEED CONTROL SYSTEM?

- › A system with new traits providing herbicide tolerance in soybeans and corn
- › Herbicide solutions built on an improved form of 2,4-D that lands and stays on target, enables management of hard-to-control and resistant weeds with Group 4 herbicides
- › Enlist Stewardship resources that support the use of multiple modes of action to manage resistant weeds, provide training, and promote responsible and sustainable use

Enlist E3™ Soybeans

Enlist E3 soybeans provide high-yielding soybean genetics and industry leading triple-mode of action herbicide tolerance.

WHY USE ENLIST E3 SOYBEANS?

- › Enlist E3 soybeans are tolerant to 2,4-D, glyphosate and glufosinate herbicides, which are part of a strong resistance management strategy
- › Excellent crop tolerance enabling applications up to the R2 growth stage

Enlist™ herbicides that land and stay on target

Enlist Duo™

with COLEX-D™ technology

HERBICIDE

COMPLETE CONVENIENCE.

Enlist Duo provides the convenience of both 2,4-D choline and glyphosate in one formulation for control of grasses and broadleaf weeds including hard-to-control and resistant weeds.

Enlist™ 1

with COLEX-D™ technology

HERBICIDE

FLEXIBILITY AND CHOICE.

Enlist 1, a stand-alone 2,4-D choline formulation, provides the flexibility to tank-mix and adjust the rates of glyphosate or Liberty® 200 SN (glufosinate) for hard-to-control and resistant weeds.

Learn more at EnlistCanada.ca

* Trademarks of Corteva Agriscience and its affiliated companies. © 2021 Corteva. LIBERTY is a registered trade-mark of BASF, used under license by BASF Canada Inc. © 2020 BASF Canada Inc. The transgenic soybean event in Enlist E3™ soybeans is jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C. The Enlist weed control system is owned and developed by Dow AgroSciences LLC. Enlist Duo™ and Enlist™ 1 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. | 042113

STAY INFORMED WHILE YOU *grow*



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

 /ThunderSeedInc

 @thunder_seed

 /thunder_seed

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.

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.




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. It is a violation of federal 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 products 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 AND APPROVED FOR SUCH USES. Contact the Pest Management 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® 2 Technology contains genes that confer tolerance to glyphosate. Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. 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.

RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, Roundup®, VT Double PRO® and XtendFlex® are registered trademarks of Bayer Group. Used under license. Liberty®, LibertyLink™ and LibertyLink logo® are trademarks of BASF. Used under license. Bayer CropScience Inc. is a member of CropLife Canada.



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.



Enlist E3® Soybeans

Enlist E3® soybeans contain the Enlist E3 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 down, the only 2,4-D containing herbicide products that may be used with Enlist™ crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist E3 soybeans. WARNING: Enlist E3 soybeans are tolerant of over-the top applications of glyphosate, glufosinate, and 2,4-D. Accidental application of incompatible herbicides to this variety could result in total crop loss. When using 2,4-D herbicides, grower agrees to only use 2,4-D products that contain Colex-D technology authorized for use in conjunction with Enlist E3 soybeans. Always read and follow herbicide label directions prior to use.

To plant this seed, a Grower must sign a Technology Use Agreement, read the Product Use Guide prior to planting. This seed is acquired under an agreement that includes the following terms: These seeds are covered under Corteva Agriscience and MS Technologies Patent Rights which can be found at: www.corteva.ca/en/trait-stewardship.html. 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 Canada under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

A license must first be obtained from Corteva Agriscience by signing a Technology Use Agreement and abiding by the terms and conditions of the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use Requirements detailed therein which can be found at www.corteva.ca/en/trait-stewardship.html.

The transgenic soybean event in the Enlist E3™ soybean is protected under Corteva Agriscience and M.S. Technologies, L.L.C. Patent Rights which can be found at: www.corteva.ca/en/trait-stewardship.html.

The purchase of these seeds conveys no license under said patents to use these seeds. For more information, contact your authorized retailer or Corteva Agriscience at 1-800-667-3852 or visit www.corteva.ca/en/trait-stewardship.html. The transgenic soybean event in the Enlist E3™ soybean was jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C. ®™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience.



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.



THANK *you*

FOR CHOOSING THUNDER SEED



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


FIRST *in the* **FIELD**

806 CENTER AVENUE WEST, DILWORTH, MN 56529

1-888-6THUNDER | THUNDERSEED.COM



 /ThunderSeedInc

 @thunder_seed

 /thunder_seed