DuraCrop®
FAMILY OWNED SINCE 1904
SEED GUIDE
2023
DuraCropSeed.com

DuraCrop®
FAMILY OWNED SINCE 1904

OUR STORY

DuraCrop Seed (a division of Pierson Seed Producers) is a premium seed company that is on its 5th generation of family owner operators. DuraCrop Seed has the history and experience no other seed company can match by being a part of every facet of the seed industry since 1904.

Philosophy

We utilize technology to bring higher potential yield results to increase our client's field production. DuraCrop focuses on quality, innovation, and production to give growers what they need.

Mission

Throughout the years, DuraCrop has mastered the rapidly changing genetics, seed treatments and equipment requirements to continuously bring the best quality seed to our clients. We have been able to do this by priding ourselves with integrity, work ethic, and customer service.

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Gen20 Hybrids are produced from a unique selection of superior corn inbreds. They are extremely high yielding and consistently finish in the top 20% of field trials in their respective maturity groups. Look for the Gen20 badge throughout the product guide.

TECHNOLOGY	DURACROP ABBREVIATION	HERBICIDE TOLERANCE	
		GLUFOSINATE	GLYPHOSATE
Conventional DuraCrop® Corn	C		
HERBICIDE ONLY			
Roundup Ready 2 Corn	RR		✓
Agrisure GT	GT		✓
LIBERTY LINK®	LL	✓	
Agrisure GT/LL	GTLL	✓	✓
ABOVE GROUND ONLY			
Agrisure 3010	GT2	✓	✓
Agrisure Above	GT2X	✓	✓
Agrisure Viptera 3110	GT2V	✓	✓
Viptera	GT2XV	✓	✓
VTDoublePRO®	VT2P		✓
ABOVE + BELOW			
Agrisure 3000GT	GT3	✓	✓
Duracade	GT3DX	✓	✓
Duracade Viptera	GT3DXV	✓	✓
SmartStax®	STX3		✓

CORN TECHNOLOGIES COMPARISON CHART

EUROPEAN CORN BORER	CORN ROOTWORM	BLACK CUTWORM	WESTERN BEAN CUTWORM	SOUTHWESTERN CORN BORER	FALL ARMYWORM	STALK BORER	CORN EARWORM	DINGY CUTWORM	REFUGE REQUIREMENT
INSECT PROTECTION MODES OF ACTION									
									N/A
									N/A
									N/A
									N/A
									N/A
I				I	I	I	I		20% STRUCTURED
II		I	I	II	I	II	I	I	5% BLENDED
I		I	I	I	I	I	I	I	20% STRUCTURED
II		II	I	II	II	II	II	II	5% BLENDED
II				II	II	I	II		5% BLENDED 20% STRUCTURED
I	I			I	I	I	I		20% STRUCTURED
II	II	I	I	II	I	II	I		5% BLENDED
II	II	II	I	II	II	II	II	II	5% BLENDED
III	II	I			III	I	II		5% BLENDED 20% STRUCTURED

HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

2930

93 Day RM

Highlights

Platform Consistency
Widely adapted
Drought Tolerance!

Corn Belt Bias

Central West

Plant Style

Plant Height	4
Ear Height	3
Cob Color	RED
Silage Appeal	5

Productive Fields	4
Average Fields	5
Stress Prone Fields	5
Test Weight	3
Ear Flex	4
Lodging (Overall)	4
Harvest Intactness	4
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits SmartStax STX3

2947

94 Day RM

Highlights

Versatile Product
Viptera™ Protection
Artesian™
Dual Purpose

Corn Belt Bias

Central West

Plant Style

Plant Height	5
Ear Height	4
Cob Color	Pink
Silage Appeal	5

Productive Fields	4
Average Fields	4
Stress Prone Fields	4
Test Weight	4
Ear Flex	3
Lodging (Overall)	4
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits AgrisureViptera 3110 GT2V

2950

95 Day RM

Highlights

Top-End Yield in Zone
Top Rated Stalks and Roots
Top Goss Scores / BSCB1
Likes Nitrogen

Corn Belt Bias
Central West

Plant Style

Plant Height	4
Ear Height	3
Cob Color	RED
Silage Appeal	5

Productive Fields	5
Average Fields	5
Stress Prone Fields	4
Test Weight	3
Ear Flex	4
Lodging (Overall)	5
Harvest Intactness	4
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits Roundup Ready 2 CORN — RR

3007 Gen20

100 Day RM

Highlights

Gen20™ Goes South!
Flagship Product at RM
Excellent Dry Down
Tar Spot Tolerance

Corn Belt Bias
NONE

Plant Style

Plant Height	3
Ear Height	3
Cob Color	RED
Silage Appeal	4

Productive Fields	5
Average Fields	5
Stress Prone Fields	4
Test Weight	3
Ear Flex	5
Lodging (Overall)	5
Harvest Intactness	4
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits VTDoublePRO® — VT2P

HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3032

103 Day RM

Highlights

Top End Yield
Duracade™
Superior Plant Health
Test Weight

Corn Belt Bias: NONE

Plant Style

Plant Height	4
Ear Height	4
Cob Color	Pink
Silage Appeal	5

Productive Fields	5
Average Fields	4
Stress Prone Fields	4
Test Weight	5
Ear Flex	3
Lodging (Overall)	4
Harvest Intactness	4
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits Duracade Viptera GT3DXV | Viptera GT2XV

3043

104 Day RM *NEW*

Highlights

3042 Upgrade
Strong Silage Performance
Very Stress Tolerant
Dual Purpose

Corn Belt Bias: WEST

Plant Style

Plant Height	5
Ear Height	4
Cob Color	Pink
Silage Appeal	5

Productive Fields	4
Average Fields	4
Stress Prone Fields	4
Test Weight	3
Ear Flex	5
Lodging (Overall)	4
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits Agrisure 3010 GT2

3079

107 Day RM

NEW

Highlights

Top Disease Package
Girthy Ear, Very Deep Kernels
Key Product at 107 Day RM
Limited Supply

Corn Belt Bias
NONE

Plant Style

Plant Height	4
Ear Height	4
Cob Color	RED
Silage Appeal	3

	Low	Medium	High
Productive Fields			5
Average Fields			5
Stress Prone Fields		4	
Test Weight		3	
Ear Flex		3	
Lodging (Overall)			5
Harvest Intactness			5
Disease (Overall)			5
Population Efficacy	Low	Medium	High

Available Traits VTDoublePRO® VT2P

3098

Gen20

109 Day RM

Highlights

Low Profile Stands Great
Polinates Early
Top Seller
Very Good Drydown

Corn Belt Bias
NONE

Plant Style

Plant Height	3
Ear Height	3
Cob Color	RED
Silage Appeal	3

	Low	Medium	High
Productive Fields			5
Average Fields			5
Stress Prone Fields		3	
Test Weight		3	
Ear Flex		3	
Lodging (Overall)			5
Harvest Intactness			5
Disease (Overall)		4	
Population Efficacy	Low	Medium	High

Available Traits VTDoublePRO® VT2P

HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3099 Gen2O

109 Day RM

NEW

Highlights

Ultra Top End Yield
Rewards High Management
Thrives Under Irrigation
Low Snap Risk

Corn Belt Bias
Central West

Plant Style

Plant Height	4
Ear Height	3
Cob Color	RED
Silage Appeal	4

Productive Fields	5
Average Fields	3
Stress Prone Fields	2
Test Weight	4
Ear Flex	3
Lodging (Overall)	3
Harvest Intactness	3
Disease (Overall)	3
Population Efficacy	Low / Medium / High

Available Traits VTDoublePRO® VT2P

3100

110 Day RM

Highlights

Great Goss's Tolerance
Very Deep Kernels
Responds well to fungicide
Stress Tolerant

Corn Belt Bias
NONE

Plant Style

Plant Height	3
Ear Height	3
Cob Color	RED
Silage Appeal	3

Productive Fields	4
Average Fields	5
Stress Prone Fields	5
Test Weight	3
Ear Flex	3
Lodging (Overall)	5
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits VTDoublePRO® VT2P

3105

110 Day RM

NEW

Highlights

Top End Yield
Test Weight + Grain Quality
Attractive Plant
DuracadeViptera™ Only

Corn Belt Bias
NONE

Plant Style

Plant Height	4
Ear Height	3
Cob Color	Pink
Silage Appeal	4

Productive Fields	5
Average Fields	4
Stress Prone Fields	4
Test Weight	5
Ear Flex	4
Lodging (Overall)	4
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits Duracade Viptera GT3DXV

3109

110 Day RM

Highlights

Top End Yield
Prefers Sandy Soils
Avoid Clays
Leading Product NE SD

Corn Belt Bias
West

Plant Style

Plant Height	3
Ear Height	3
Cob Color	Pink
Silage Appeal	3

Productive Fields	5
Average Fields	3
Stress Prone Fields	3
Test Weight	3
Ear Flex	4
Lodging (Overall)	3
Harvest Intactness	3
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits Conventional DuraCrop® Corn C Viptera GT2XV

HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3113

111 Day RM

Highlights

Premier NE Product
Unprecedented Yield
Artesian™
Fast Dry Down

Corn Belt Bias
West

Plant Style

Plant Height	4
Ear Height	4
Cob Color	Pink
Silage Appeal	3

	Low	Medium	High
Productive Fields			5
Average Fields		4	
Stress Prone Fields		3	
Test Weight		3	
Ear Flex			5
Lodging (Overall)		4	
Harvest Intactness		4	
Disease (Overall)		4	
Population Efficacy	Low	Medium	High

Available Traits Agrisure Above GT2X Agrisure GT/LL GTLL

3119

111 Day RM

Highlights

Solid go-to product
Outstanding Emergence
Excellent Roots
Viptera™ Protection

Corn Belt Bias
NONE

Plant Style

Plant Height	3
Ear Height	3
Cob Color	RED
Silage Appeal	3

	Low	Medium	High
Productive Fields		4	
Average Fields		4	
Stress Prone Fields		4	
Test Weight		3	
Ear Flex		3	
Lodging (Overall)		4	
Harvest Intactness		4	
Disease (Overall)		3	
Population Efficacy	Low	Medium	High

Available Traits Viptera GT2XV

3127

112 Day RM

Highlights

Very Dependable
Adaptable to any soil type
Massive Roots
High Management Pays Off

Corn Belt Bias
Central East

Plant Style

Plant Height	3
Ear Height	3
Cob Color	RED
Silage Appeal	4

Productive Fields	5
Average Fields	5
Stress Prone Fields	4
Test Weight	5
Ear Flex	4
Lodging (Overall)	5
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits

Conventional DuraCrop® Corn — C
VTDoublePRO® — VT2P

3135

113 Day RM

Highlights

Flagship Hybrid
Trait Flexibility
Performs Year after Year
Very Adaptable

Corn Belt Bias
NONE

Plant Style

Plant Height	4
Ear Height	3
Cob Color	RED
Silage Appeal	4

Productive Fields	5
Average Fields	5
Stress Prone Fields	5
Test Weight	4
Ear Flex	4
Lodging (Overall)	4
Harvest Intactness	4
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits

Conventional DuraCrop® Corn — C
VTDoublePRO® — VT2P
SmartStax® — STX3

HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3142

114 Day RM

Highlights

Big Robust Plant
Versatile, Dual Purpose
Quick Canopy
BSCB1 Corn Borer

Corn Belt Bias: NONE

Plant Style

Plant Height	5
Ear Height	4
Cob Color	RED
Silage Appeal	5

Productive Fields	5
Average Fields	5
Stress Prone Fields	5
Test Weight	3
Ear Flex	5
Lodging (Overall)	4
Harvest Intactness	4
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits Conventional DuraCrop® Corn — C

3143 Gen20

114 Day RM

Highlights

Gen20™
2 Year State Trial Champ
Excellent Dry Down
Heavy Test Weight

Corn Belt Bias: Central East

Plant Style

Plant Height	4
Ear Height	3
Cob Color	Pink
Silage Appeal	3

Productive Fields	5
Average Fields	4
Stress Prone Fields	4
Test Weight	5
Ear Flex	3
Lodging (Overall)	5
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits VTDoublePRO® — VT2P

3148

114 Day RM

Highlights

Low Maintenance
Dependable
Good for Delayed Harvest
Consistent

Corn Belt Bias: NONE

Plant Style

Plant Height	4
Ear Height	4
Cob Color	Pink
Silage Appeal	5

Productive Fields	4
Average Fields	5
Stress Prone Fields	4
Test Weight	3
Ear Flex	4
Lodging (Overall)	5
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits: AgrisureGT GT; Agrisure Above GT2X; Duracade Viptera GT3DXV

3150

115 Day RM

Highlights

Proven!
A Full Season Favorite
Performs Year after Year
Holds Together, Eye Appeal

Corn Belt Bias: NONE

Plant Style

Plant Height	4
Ear Height	3
Cob Color	RED
Silage Appeal	5

Productive Fields	4
Average Fields	5
Stress Prone Fields	5
Test Weight	5
Ear Flex	4
Lodging (Overall)	5
Harvest Intactness	5
Disease (Overall)	4
Population Efficacy	Low / Medium / High

Available Traits: Conventional DuraCrop® Corn C; VTDoublePRO VT2P

LEGACY PRODUCTS

The Following Hybrids are still available in limited quantities. Please visit our website or with a sales representative for hybrid details and availability.

HYBRID	AVAILABLE TRAIT PACKAGES	
3040	Conventional DuraCrop® Corn	C
	AgrisureGT	GT
3042	Viptera®	GT2XV
3062	Agrisure® Above	GT2X
3072	Conventional DuraCrop® Corn	C
3080	AgrisureViptera® 3110	GT2V
3087	Roundup Ready® 2 CORN	RR
3091	Viptera®	GT2XV
3092	Conventional DuraCrop® Corn	C
3104	Conventional DuraCrop® Corn	C
3108	Conventional DuraCrop® Corn	C
	VTDoublePRO®	VT2P
3114	Agrisure3000GT	GT3
3121	Conventional DuraCrop® Corn	C
3124	DroughtGard® HYBRIDS VTDoublePRO®	DGVT2P
3139	Agrisure3000GT	GT3
3144	Conventional DuraCrop® Corn	C
3154	Conventional DuraCrop® Corn	C

SEE DURACROPSEED.COM FOR ADDITIONAL DETAILS

SOYBEAN TECHNOLOGIES COMPARISON CHART

	TECHNOLOGY	DURACROP ABBREVIATION	HERBICIDE TOLERANCE: GLUFOSINATE	GLYPHOSATE	2-4-D CHOLINE	ISOXAFLUTOLE (CERTAIN LOCATIONS)	DICAMBA
SOYBEANS	Conventional DuraCrop® Soybeans	NC					
	GLYPHOSATE Tolerant SOYBEANS	GT		✓			
	LIBERTYLINK® GT27	LLGT27	✓	✓		✓	
	Enlist E3 SOYBEANS	E3	✓	✓	✓		
	ROUNDUP READY 2 XTEND SOYBEANS	NR2X		✓			✓
	XTENDFLEX SOYBEANS	XF	✓	✓			✓

"N" in the Variety code = Defensive trait for Soybean Cyst Nematode

"S" in the Variety code = Soybeans stacked with STS trait are tolerant to sulfonylurea-based herbicides

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

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

Enlist E3 SOYBEANS

THE NEXT GENERATION OF TECHNOLOGY

2,4-D choline | Glyphosate | Glufosinate

Enlist Duo® COLEX-D® technology HERBICIDE
- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two modes 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 Durango® DMA® herbicide, Liberty® herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

LibertyLink GT27 is not tolerant to all HPPD herbicides. Alite™27herbicidefrom BASF is the first HPPD herbicide for use on GT27 and LibertyLink GT27 soybeans is currently available in select counties in certain states. Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed. LibertyLink®GT27®soybeans offer triple stack tolerance to Liberty, glyphosate, and, in select counties specified on the label, the first HPPD based herbicide for soybeans—Alite™ 27. Other HPPD herbicides not labeled for use with LibertyLink GT27orisoxaflutole-resistant soybeans may cause significant crop injury. Alite 27 herbicide is only available for use in labeled counties. Always read and follow label directions. Alite 27 is a restricted use herbicide. Alite, Liberty, and Liberty Link are registered trademarks of BASF. GT27 is a registered trademark of M.S. Technologies, L.L.C.MS Technologies is a trademark of M.S.Technologies, L.L.C.©2020BASFCorporation/ M.S.Technologies,L.L.C. All Rights Reserved. APN20-INT-0014

SOYBEAN ANALYSIS CHART

	Brand	Availability	Herbicide Trait	RM	Plant Height	Canopy Type	Pubescence	Hilum Color
			Plant Features					
Enlist E3 SOYBEANS	X-4210E3	Limited	2,4-D, LLGT	2.1	MT	MB	Gray	BF
	4229 E3		2,4-D, LLGT	2.2	M	MB	Gray	BF
	4269 E3	NEW	2,4-D, LLGT	2.6	MT	M	Gray	BF
	4279 E3		2,4-D, LLGT	2.7	MT	M	Gray	BF
	4300 E3		2,4-D, LLGT	3.0	MT	MB	Gray	BR
	4319 E3	NEW	2,4-D, LLGT	3.1	MT	M	Gray	BF
	4329 E3		2,4-D, LLGT	3.2	MT	MB	Lt. Tawny	BR
	4359 E3		2,4-D, LLGT	3.5	MT	MB	Gray	IB
	4379 E3		2,4-D, LLGT	3.7	MT	MB	Lt. Tawny	BR
	4389 E3S		2,4-D, LLGT	3.8	M	MB	Lt. Tawny	BR
	4399 E3		2,4-D, LLGT	3.9	MT	MB	Gray	BF
LIBERTYLINK GT27	4200NLLGT27		LLGT	2.0	MT	MB	Lt. Tawny	BR
	4254NLLGT27		LLGT	2.5	MT	M	Lt. Tawny	BL
	4274NLLGT27		LLGT	2.7	MT	M	Lt. Tawny	BR
	4324NLLGT27		LLGT	3.2	MT	M	Lt. Tawny	BL
	4349NLLGT27		LLGT	3.4	MT	MB	Lt. Tawny	BL
	4393NLLGT27		LLGT	3.9	M	M	Lt. Tawny	BL
	4400NLLGT27		LLGT	4.0	MT	MB	Lt. Tawny	BR
ROUNDUP READY 2 XTEND SOYBEANS	4288NR2X		RR2Xtend	2.8	MT	M	Gray	IB
	4309NR2X		RR2Xtend	3.0	T	M	Gray	IB
XTENDFLEX SOYBEANS	X-4252XF	Limited	Xtendflex	2.4	MT	MB	Gray	IB
	4292XF		Xtendflex	2.9	MT	MB	Gray	IB
	4366XF		Xtendflex	3.6	MT	MB	Gray	IB
	4396XF	NEW	Xtendflex	3.9	T	M	Gray	IB
GLYPHOSATE Tolerant SOYBEANS	4208GT		GL	2.0	M	MB	Tawny	BL
	4270GT		GL	2.7	M	MB	Lt. Tawny	BL
	4383NGT		GL	3.8	M	B	Lt. Tawny	BL
Conventional DuraCrop® Soybeans	4257NC		CONV	2.5	M	MB	Lt. Tawny	BL
	4267NC	NEW	CONV	2.6	MT	MB	Lt. Tawny	BL
	4277NC		CONV	2.7	MT	MB	Lt. Tawny	BL
	4287NC	NEW	CONV	2.8	MT	MB	Gray	Clear

Ratings Key: 1 = Excellent, 2 = Very Good,

E3 = ENLIST E3® SOYBEANS LLGT = LIBERTYLINK®GT27

XF = XTENDFLEX® SOYBEANS

M = Medium, MT = Medium-Tall, MB = Medium Bus

N = None, PRR = Phytophthora Root Rot, SCN = Soybean Cyst Ne

Agronomic Characteristics										Placement Information					
Emergence	Standability	Stress Tolerance	Iron Chlorosis	PRR Gene	PRR Tolerance	Brown Stem Rot Tol.	White Mold	SDS Tolerance	SCN Rating	Irrigated	Dryland	Narrow Rows	Wide Rows	High pH Soils	No-Till/Cold Soils
1	1	1	1	1c	1	-	1	1	-	1	1	2	1	-	-
1	1	1	2	1k	1	1	1	1	1	1	1	2	1	1	1
1	1	1	1	1c	1	-	1	1	1	1	1	1	2	1	1
2	1	2	2	1a	1	-	-	2	2	1	1	1	2	2	2
1	1	1	1	N	1	1	1	1	1	1	1	2	1	-	1
1	2	1	2	1a	1	-	2	2	2	1	1	1	2	-	2
1	2	1	1	N	1	-	2	2	1	1	1	2	1	1	1
1	2	1	2	1k	1	1	-	2	1	1	1	2	1	-	1
1	2	1	3	N	2	-	-	2	2	1	1	1	1	1	1
1	2	1	2	1k	2	-	-	2	1	1	1	2	1	-	1
1	1	1	1	N	1	2	-	1	1	1	1	2	1	-	1
1	1	1	1	N	1	1	1	1	1	1	1	2	1	1	1
1	1	1	1	N	1	2	2	1	-	1	1	1	2	2	1
1	1	1	2	-	1	1	-	1	-	1	1	1	2	-	1
1	1	1	2	N	1	2	-	1	1	1	1	1	2	1	1
1	1	1	1	N	1	3	-	1	1	1	1	2	1	-	1
1	1	1	2	N	1	-	-	2	1	1	1	1	1	2	1
1	1	1	-	N	2	2	-	2	1	1	1	2	1	-	1
1	2	2	2	3a,1k	1	1	-	2	1	1	2	1	1	1	1
2	2	1	2	1c	2	1	2	1	1	3	1	2	1	1	1
1	1	1	1	1c	1	1	1	1	1	1	1	2	1	1	1
1	2	1	2	1c	2	1	2	2	1	1	1	1	1	-	1
1	1	1	3	1c	2	2	-	2	1	1	1	1	1	1	1
1	2	1	3	1c	2	-	3	2	1	1	1	2	1	-	2
1	1	1	2	1k	1	1	1	1	-	1	1	2	1	1	1
1	1	1	2	1k	2	2	1	2	3	1	2	2	1	2	1
1	1	2	2	1k	2	2	-	2	2	1	1	1	2	2	1
1	1	1	2	-	2	2	-	-	2	1	1	2	1	-	1
1	1	1	2	1k	1	-	2	2	2	1	1	2	1	1	1
1	2	1	2	-	1	1	-	-	1	1	1	2	1	-	1
2	1	1	2	-	-	-	-	-	3	1	1	1	2	-	2

3 = Good/Average, 4 = Fair, 5 = Poor

RR2Xtend = Roundup Ready 2 Xtend® Soybeans

GT = Glyphosate CONV = Conventional

sh, MN = Narrow/Thin-line, T = Tall, B = Bush

matode, SDS = Sudden Death Syndrome, "-" = Not Available

FEATURED SOYBEAN PRODUCTS

4210E3 — RM 2.1 — NEW

4210E3 is a new Enlist we've been watching for a couple years. It is a tough and rugged plant extremely well suited for low yield environments and is a great fit for Northern Iowa, South Dakota and Minnesota. It has our highest rating for stress and SDS. 4210s also possess the effective yet hard to come by Peking SCN gene that is only found in about 5% of the varieties on the market, thus boosting its effectiveness against Soybean Cyst Nematodes ten-fold. (Launch Year, limited availability)

4269E3 — RM 2.6 — NEW

4269E3 is a new Enlist that plays well from Nebraska to Ohio. When we saw this one at harvest it was an easy decision to advance it. With top scores in standability, stress tolerance, and emergence as well as a great disease package you can't go wrong with 4269.

4319E3 — RM 3.1

4319E3 is possibly the highest yielding soybean we have ever offered. We had multiple trials in 2021 where 4319 beat the plot average by 15 BPA, yielding in the mid-80s. It has outstanding yield potential regardless of field conditions. It carries top scores in stress tolerance, emergence and PRR.

LIBERTYLINK® GT27®

FEATURED SOYBEAN PRODUCTS

4274LLGT27 — LIBERTYLINK® GT27® — RM 2.7

At the late group 2 maturity range we expect 4274LLGT27 to be our best-selling line in 2023. With excellent scores across the board, 4274 excels everywhere. An attractive light tawny/tan that stands well and cuts easy.

4349NLLGT27 — LIBERTYLINK® GT27® — RM 3.4

Our best variety in 2020 trials. It's medium-tall height and light tawny appearance make for a very appealing look. 4349 brings with it our top rating for stress tolerance, IDC and SDS. If you're on a LL or RR program this product is a must.

4400LGT27 — LIBERTYLINK® GT27® — RM 4.0 — LIMITED AVAILABILITY

This new 4.0 has a very nice clean appearance. It's home is in southern IA and MO. It topped our trials across both high, and low yield environments indicating that 4400 is an extremely versatile variety.

OTHER FEATURED SOYBEAN PRODUCTS

4267 Conventional DuraCrop® Soybeans **RM 2.6** **NEW**

4267 is the new stress tolerant conventional line we've been looking for. It pairs plant height with standability and covers all soil types while maintaining yield. It goes north and south of zone with great versatility and carries fantastic disease scores. If you're using conventional soybeans 4267s are a must.

4252XF XTENDFLEX® SOYBEANS **RM 2.5** **NEW**

4252XF is a new XtendFlex® line that has shown great performance across regions and soil types and has been especially dominate west of Interstate 35. This is a product that will move south and out-horse the group 3 competitors. It has top end yield paired with stress tolerance and great disease scores. (Launch Year, limited availability)

FORAGE / GRASSES

Husky Alfalfa

Husky is the pinnacle of alfalfa development. It has a sunken crown that holds up to traffic, outstanding yield, forage quality, winter hardiness, pest resistance, quick recovery and dark green color. Husky will maintain high yield potential through the 5th year of production. A multi-leaf expression of 92% adds to optimum relative feed value. Unbeatable disease and pest resistance.

Winter Hardiness: High
Fall Dormancy: 3.8
Grow-back: Rapid
Leaf to Stem Ratio: Excellent Plus

Endurance Alfalfa

Proprietary variety Endurance is another DuraCrop Elite alfalfa. Its unique resistance to aphanomyces makes it a must for farmers in eastern Iowa. 5-7 leaf expressions boost feed quality well beyond more typical trifoliates.

Winter Hardiness: Excellent
Fall Dormancy: 3
Grow-back: Rapid
Leaf to Stem Ratio: Excellent Plus

Alfalfa Plus

60% Alfalfa
20% Red Clover
10% Orchard Grass
10% Timothy

Premium Hay & Pasture

30% Fescue
15% Orchard Grass
15% Red Clover
15% Alfalfa
20% Ryegrass
5% Timothy

Versagrass

25% Timothy
25% Ryegrass
25% Bromegrass
25% Orchard Grass

Free Waterway

70% Endophyte Free Fescue
15% Ryegrass
15% Timothy

Premium Turf

50% KY Bluegrass
30% Perennial Ryegrass
20% Creeping Red Fescue

Also Available

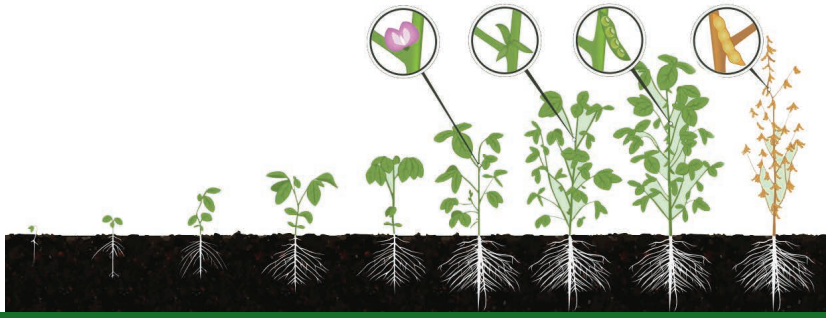
Alfalfas: Vernal, Creeping Alfalfa

Red Clover/Other Legumes, Field Grasses, Pasture Mixes: Certified Marathon, Medium Red Clover, Mammoth, Timothy, Bromegrass, Orchardgrass, Kentucky Bluegrass, Ryegrass

Wildlife Food Plot Seed: Annual and perennial blends for deer and upland game are available as well as a full line-up of brassica species and blends.

Additional: Custom cover crop blends, premium hay & pasture mixes and waterway mixes. Call for any custom blends and additional information.

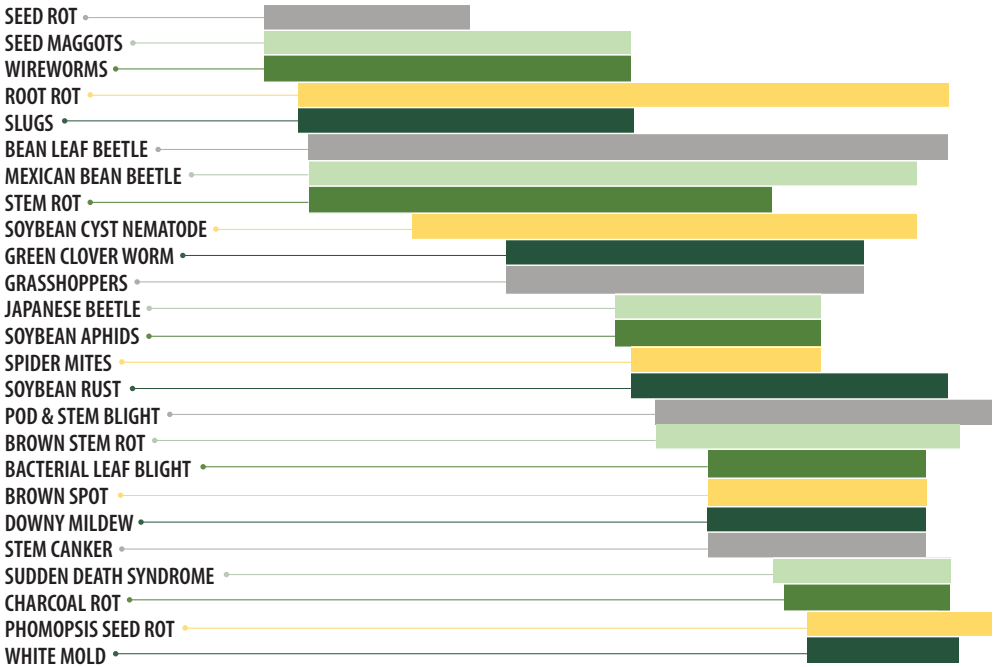
SOYBEAN SCOUTING CALENDAR



VE VC V1 V2 V3 R1 R3 R5 R8

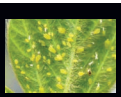
APRIL | MAY | JUNE | JULY | AUG | SEPT | OCT

INSECT/DISEASE



Bean Leaf Beetle – Bean leaf beetle (BLB). Typically, the beetles are dark yellow in color but can range in hues of yellow, orange, and red. Early season injury to soybean is caused by the overwintered adults feeding on cotyledons, leaves, and stems. In addition, this pest can transmit bean pod mottle virus.

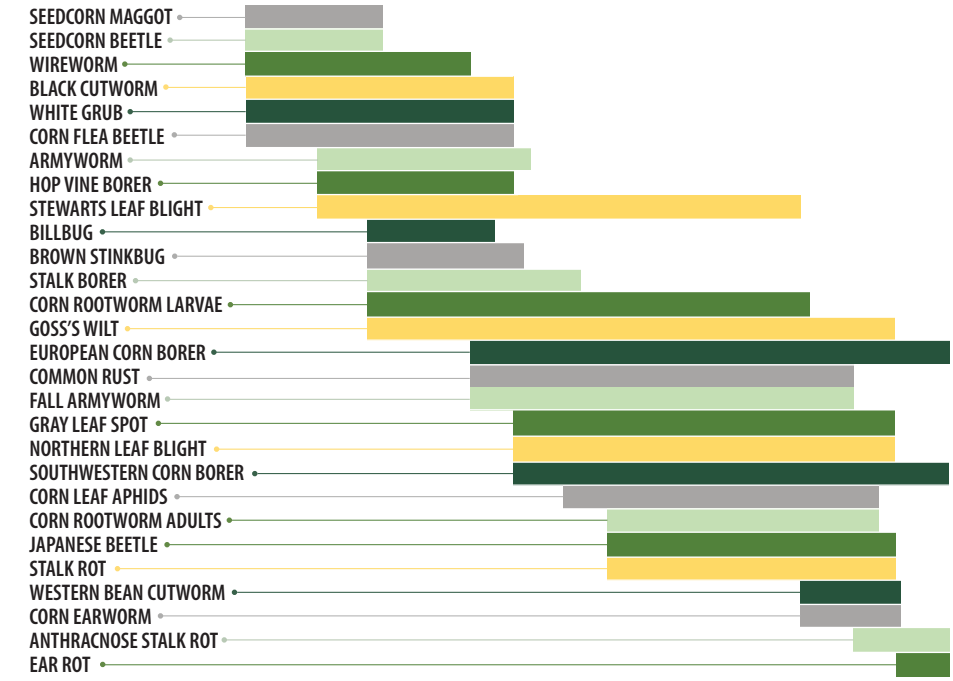
Wireworm – Can be a problem in soybeans, especially in fields previously planted with sod or small grains. Wireworms are hard-bodied, slender, brownish larvae that grow to about 1 inch long. They feed on seeds and seedlings.



Soybean Aphid – Soybean aphids are very small (less than 1/16th inch long), soft-bodied, pear-shaped insects. They vary in color from pale yellow to light green with black cornicles on the back of the abdomen. Early season aphid feeding can lead to stunted plants with fewer nodes, which can result in fewer pods.

CORN SCOUTING CALENDAR

INSECT/DISEASE



European Corn Borer – European corn borer (ECB), larvae usually feed deep within the whorl, removing shallow layers of leaf tissue creating thin 'windows' in leaf tissue. Larvae can chew completely through leaves and emerging leaves may exhibit 'shothole' patterns.

Armyworm – True armyworm tend to be a problem in grassy, weedy fields. When herbicides begin to control weeds, the larvae move to host plants such as corn. Fall armyworm tend to be more of a problem in late-planted corn.

Corn Rootworm – Corn rootworms (CRW) can cause damage as both larvae and adult beetles. They tunnel into roots and can chew them down to the base of the plant resulting in extreme damage to plant vascular and structural systems. Leaves that experience heavy feeding may split or fray.

STAND COUNT TABLE

Row Width	Row Length Equal to 1/1000th of an Acre
15”	34’10”
20”	26’2”
22”	23’8”
30”	17’5”
36”	14’6”
38”	13’9”
40”	13’1”

When taking stand counts in drilled soybeans, hula hoop method is sufficient. Randomly toss the hoop and count plants inside the circle. Convert plants per hoop to plants per acre by multiplying the number of plants by the appropriate factor. Ex: On 28” hoop, if 19 plants are counted, 19 x 10,000 = 190,000

Hoop Size Diameter	Multiplication Factor
28”	10,000
30”	8,900
32”	7,800
34”	6,900
36”	6,200

CALCULATING YIELD

Grain Yield = (100 - Moisture) x (lbs of grain) x (Factor*)
÷ (Row Length in Feet) ÷ (Row Width in Inches) ÷ (Number of Rows)

*Corn = 110.465 *Soybeans = 100.138

CORN LEAF DISEASES

Goss's Wilt – Seedlings can be systemically infected, which may cause wilting and death. Vascular bundles may be discolored. More common later-season infections of leaves produce dull gray-green to necrotic lesions often with irregular margins. Small, water- soaked "freckles" appear within developing lesions and at the margins of lesions. Bacterial droplets may ooze from infected tissues early in the morning leaving a shellac-like shiny appearance when dried on leaf surfaces. Plant injury, such as hail or wind damage, can increase infection.

Northern Corn Leaf Blight – Long (up to 6 inches), elliptical to cigar-shaped, gray-green lesions that eventually become tan-brown are symptomatic of infection by this fungus. Infection begins first on lower leaves and moves up the plant. Lesions may form in bands across leaves as a result of an infection in the whorl. The disease is favored by high humidity and moderate temperatures. Under humid conditions, lesions may have a dark, fuzzy appearance because the fungus is sporulating on dead tissues.

Gray Leaf Spot – Gray to tan, rectangular lesions on leaves, leaf sheaths, or husks. Spots are opaque and long (up to 2 inches). Lower leaves are affected first, usually not until after silking. Lesions may have a gray, downy appearance on the underside of leaves where the fungus sporulates. The organism thrives in extended periods of warm, overcast days and high humidity. Gray leaf spot has become more prevalent with increased use of reduced tillage and continuous corn.

SOYBEAN DISEASES

Sudden death syndrome is caused by Fusarium virguliforme. SDS is found across all soybean production regions in the United States and it can be associated with compacted soils. Soybean cyst nematode may increase the incidence and severity of SDS. The fungus infects the roots and the base of the stem, sending toxins to the leaves. Symptoms of SDS may be seen during the soybean vegetative growth stages. However, they are most commonly seen during the early reproductive growth stages through pod fill. Leaflets on plants with severe foliar symptoms may detach from petioles. Unlike red crown rot, petioles remain attached to the stem. Splitting the stem of a soybean plant infected with SDS will reveal a slightly tan to light brown discoloration of the cortex, especially at the stem base, and a normal white to cream colored pith. Under moist conditions, plants infected with SDS may also display blue masses of spores on the tap root.

Brown stem rot is caused by two genotypes of Phialophora gregata. This disease is prevalent in the north central United States. The genotype A causes severe foliar symptoms whereas genotype B causes little orno foliar symptoms. Most commercial soybean products have resistance to genotype A. The infection is more severe during cool, rainy growing seasons and the pathogen infects roots early in the season. Stem symptoms can begin to appear as early as the vegetative growth stages, while foliar symptoms are most evident around R4 growth stage. Vascular tissue and pith browning is a characteristic symptom of BSR (Figure 5). Browning starts at the root level and moves up the stem as the disease progresses. Foliar symptoms consist of interveinal yellowing and browning of leaves. Affected leaves shrivel up but remain attached to the stem. These symptoms can easily be confused with those of SDS. Plants can become stunted and may die prematurely. The severely damaged plants may have fewer pods, and limited number of seeds per pod.

Septoria brown spot (SBS) overwinters and sporulates in soybean residue. The disease is spread by wind and by splashing rain that moves spores from the soil surface and residue to plant tissue. Septoria brown spot symptoms can appear on the cotyledons and unifoliate leaves but are generally mild during early growth stages. Hot, dry weather oftentimes stops the disease cycle. However, SBS is favored by warm temperatures between 60° F to 85° F, and leaves that remain wet for long periods. The disease cycle continues on infected plants during ideal conditions. Spores developed on cotyledons and unifoliate leaves are the inoculum for later infections of trifoliate leaves, stems, pods, and surrounding plants. Small, irregular, dark-brown spots occur primarily on leaves. Symptoms occur first on lower leaves during warm, wet conditions and then progress to the upper leaves. The tissue around lesions may be yellow. Late in the growing season, leaves become rusty brown or yellow and drop prematurely.

DuraCrop
FAMILY OWNED SINCE 1984

PREMIX	ACTIVE INGREDIENT	TRADE NAME®	
ACURON	bicyclopyrone	-----	27
	mesotrione	*Callisto*	27
	atrazine	*AAtrex*	5
	s-metolachlor	*Dual II Magnum*	15
Acuron Flexi	bicyclopyrone	-----	27
	mesotrione	*Callisto*	27
	s-metolachlor	*Dual II Magnum*	15
AFFINITY BROADSPEC (Affinity Tankmix)	thifensulfuron	*Harmony*	2
	tribenuron	*Express*	2
AFFORIA	thifensulfuron	*Harmony*	2
	tribenuron	*Express*	2
	flumioxazin	*Valor*	14
AGILITY SG	dicamba	*Clarity*	4
	thifensulfuron	*Harmony*	2
	tribenuron	*Express*	2
	metsulfuron	*Ally*	2
ALLY EXTRA	thifensulfuron	*Harmony*	2
	tribenuron	*Express*	2
	metsulfuron	*Ally*	2
ANTHEM ATZ	pyroxasulfone	*Zidua*	15
	fluthiacet	*Cadet*	14
	atrazine	*AAtrex*	5
ANTHEM FLEX	pyroxasulfone	*Zidua*	15
	carfentrazone	*Aim*	14
ANTHEM MAXX	pyroxasulfone	*Zidua*	15
	fluthiacet	*Cadet*	14
ARMEZON PRO	topramezone	*Armezon*	27
	dimethenamid-P	*Outlook*	15
AUTHORITY ASSIST	sulfentrazone	*Spartan*	14
	imazethapyr	*Pursuit*	2
AUTHORITY ELITE	sulfentrazone	*Spartan*	14
	s-metolachlor	*Dual Magnum*	15
AUTHORITY FIRST	sulfentrazone	*Spartan*	14
	cloransulam	*FirstRate*	2
AUTHORITY MTZ	sulfentrazone	*Spartan*	14
	metribuzin	*Metribuzin*	5
AUTHORITY XL (Authority Maxx)	sulfentrazone	*Spartan*	14
	chlorimuron	*Classic*	2
AUTUMN SUPER	iodosulfuron	*Autumn*	2
	thiencarbazone	*Varro*	2
AXIAL STAR	pinoxaden	*Axial XL*	1
	fluroxypyr	*Starane*	4
AXIOM	flufenacet	*Define*	15
	metribuzin	*Metribuzin*	5
BASIS BLEND	rimsulfuron	*Resolve*	2
	thifensulfuron	*Harmony*	2
BETAMIX	desmedipham	*Betenex*	5
	phenmedipham	-----	5
BICEP II MAGNUM (Bicep Lite II Magnum)	s-metolachlor	*Dual II Magnum*	15
	atrazine	*AAtrex*	5
BOUNDARY	s-metolachlor	*Dual Magnum*	15
	metribuzin	*Metribuzin*	5
BRAKE F2	fomesafen	*Flexstar*	14
	fluridone	*Sonar*	12
BREAKFREE NXT ATZ (Breakfree NXT Lite)	acetochlor	*Breakfree NXT*	15
	atrazine	*AAtrex*	5
BROADAXE XC	s-metolachlor	*Dual Magnum*	15
	sulfentrazone	*Spartan*	14
BROADHEAD	carfentrazone	*Aim*	14
	quinclorac	*Facet*	4
BRONATE	bromoxynil	*Buctril*	6
	MCPA	*MCPA*	4
CALLISTO GT	mesotrione	*Callisto*	27
	glyphosate	*glyphosate*	9
CALLISTO XTRA	mesotrione	*Callisto*	27
	atrazine	*AAtrex*	5
CANOPY	chlorimuron	*Classic*	2
	metribuzin	*Metribuzin*	5
CANOPY EX	chlorimuron	*Classic*	2
	tribenuron	*Express*	2
CAPRENO	thiencarbazone	*Varro*	2
	tembotrione	*Laudis*	27

PREMIX	ACTIVE INGREDIENT	TRADE NAME®	
HARNESS XTRA	acetochlor	*Harness*	15
	atrazine	*AAtrex*	5
HORNET	clopyralid	*Stinger*	4
	flumetsulam	*Python*	2
HUSKIE	pyrasulfotole	-----	27
	bromoxynil	*Buctril*	6
HUSKIE COMPLETE	pyrasulfotole	-----	27
	bromoxynil	*Buctril*	6
	thiencarbazone	*Varro*	2
INSTIGATE	rimsulfuron	*Resolve, Matrix*	2
	mesotrione	*Callisto*	27
KEYSTONE NXT (Keystone LA NXT)	acetochlor	*Surpass NXT*	15
	atrazine	*AAtrex*	5
KOCHIAVORE	2,4-D	*2,4-D, others*	4
	fluroxypyr	*Starane*	4
	bromoxynil	*Buctril, others*	6
LEADOFF	rimsulfuron	*Resolve*	2
	thifensulfuron	*Harmony*	2
LEXAR EZ	mesotrione	*Callisto*	27
	s-metolachlor	*Dual II Magnum*	15
	atrazine	*AAtrex*	5
LUMAX EZ	mesotrione	*Callisto*	27
	s-metolachlor	*Dual II Magnum*	15
	atrazine	*AAtrex*	5
MARVEL	fluthiacet	*Cadet*	14
	fomesafen	*Flexstar*	14
OBEY	clomazone	*Command*	13
	quinclorac	*Facet*	4
OPTILL	saflufenacil	*Sharpen*	14
	imazethapyr	*Pursuit*	2
OPTILL PRO	saflufenacil	*Sharpen*	14
	imazethapyr	*Pursuit*	2
	dimethenamid-P	*Outlook*	15
ORION	florasulam	-----	2
	MCPA	*MCPA*	4
PANOFLEX	thifensulfuron	*Harmony*	2
	tribenuron	*Express*	2
PERMIT PLUS	thifensulfuron	*Harmony*	2
	halosulfuron	*Permit*	2
PREFIX	s-metolachlor	*Dual Magnum*	15
	fomesafen	*Reflex*	14
PREQUEL	rimsulfuron	*Resolve*	2
	isoxaflutole	*Balance*	27
PROGRESS	desmedipham	*Betenex*	5
	phenmedipham	-----	5
	ethofumesate	*Nortron*	16
PULSAR	dicamba	*Clarity*	4
	fluroxypyr	*Starane*	4
QUELEX	halauxifen	*Arylex*	4
	florasulam	-----	2
RAVE	triasulfuron	*Amber*	2
	dicamba	*Clarity*	4
RAZE	flucarbazone	*Everest*	2
	fluroxypyr	*Starane*	4
REALM Q	rimsulfuron	*Resolve*	2
	mesotrione	*Callisto*	27
REBELEX	cyhalofop	*Clincher*	1
	penoxsulam	*Grasp*	2
RESICORE	clopyralid	*Stinger*	4
	acetochlor	*Surpass NXT*	15
	mesotrione	*Callisto*	27
RESOLVE Q	rimsulfuron	*Resolve*	2
	thifensulfuron	*Harmony*	2
REVULIN Q	nicosulfuron	*Accent Q*	2
	mesotrione	*Callisto*	27
RIMFIRE MAX	propoxycarbazone	*Olympus*	2
	mesosulfuron	*Osprey*	2
ROUNDUP XTEND*	dicamba	*XtendiMax*	4
	glyphosate	*glyphosate*	9
ROWEL FX	flumioxazin	*Valor*	14
	chlorimuron	*Classic*	2
SENTRALLAS	thifensulfuron	*Harmony*	2
	fluroxypyr	*Starane*	4

SITE-OF-ACTION GROUP

- 1 — ACASE INHIBITORS (acetyl CoA carboxylase)
- 2 — ALS INHIBITORS (acetolactate snythase)
- 9 — EPSP SYNTHASE INHIBITOR (5-enolpyruvyl-shikimate-3-phosphate)
- 4 — T1R1 AUXIN RECEPTORS (synthetic auxins)
- 19 — AUXIN TRANSPORT INHIBITOR
- 5 — PHOTOSYSTEM II INHIBITORS (different binding than 6 & 7)
- 6 — PHOTOSYSTEM II INHIBITORS (different bonding than 5 & 7)
- 7 — PHOTOSYSTEM II INHIBITORS (different bonding than 5 & 6)
- 10 — GLUTAMINE SYNTHETASE INHIBITOR
- 12 — PHYTOENE DESATURASE (PDS) INHIBITOR
- 13 — DOXP SYNTHASE INHIBITOR (1-DEOXY-D-XYULOSE 5-PHOSPHATE)
- 27 — HPPD INHIBITORS
- 14 — PPO INHIBITORS
- 22 — PHOTOSYSTEM I ELECTRON DIVERTER
- 3 — MICROTUBULE INHIBITOR
- 8 — LIPID SYNTHESIS INHIBITOR (not ACCase)
- 15 — LONG-CHAIN FATTY ACID INHIBITORS
- 16 — SPECIFIC SITE UNKNOWN
- 17 — NUCLEIC ACID INHIBITOR

HERBICIDE CLASSIFICATION

NUMBER OF RESISTANT WEED SPECIES IN U.S. ↓

15
47
15
8
0
26
1
9
1
1
1
2
3
5
6
5
1
0
1

PREMIX	ACTIVE INGREDIENT	TRADE NAME®	
CARNIVORE	MCPA	*MCPA*	4
	clopyralid	*Stinger*	4
	bromoxynil	*Buctril*	6
CHEETAH MAX	glufosinate	*Cheetah*	10
	fomesafen	*Reflex*	14
CINCH ATZ (Cinch ATZ Lite)	s-metolachlor	*Dual II Magnum*	15
	atrazine	*AAtrex*	5
CLEARPATH	quinclorac	*Facet*	4
	imazethapyr	*Newpath*	2
COLT + SALVO (Trump Card)	2,4-D	*2,4-D*	4
	fluroxypyr	*Starane*	4
COLT + SWORD	MCPA	*MCPA*	4
	fluroxypyr	*Starane*	4
CORVUS	thiencarbazone	*Varro*	2
	isoxaflutole	*Balance Flexx*	27
CURTAIL	clopyralid	*Stinger*	4
	2,4-D	*2,4-D*	4
CURTAIL M	clopyralid	*Stinger*	4
	MCPA	*MCPA*	4
DEGREE XTRA	acetochlor	*Degree*	15
	atrazine	*AAtrex*	5
DIFLEXX DUO	dicamba	*DiFlexx*	4
	tembotrione	*Laudis*	27
DILIGENT*	chlorimuron	*Classic*	2
	rimsulfuron	*Resolve*	2
	flumioxazin	*Valor*	14
ENLIST DUO	2,4-D	*2,4-D*	4
	glyphosate	*glyphosate*	9
ENLITE	chlorimuron	*Classic*	2
	thifensulfuron	*Harmony*	2
	flumioxazin	*Valor*	14
ENVIVE	chlorimuron	*Classic*	2
	thifensulfuron	*Harmony*	2
	flumioxazin	*Valor*	14
EXPERT	s-metolachlor	*Dual Magnum*	15
	atrazine	*AAtrex*	5
	glyphosate	*glyphosate*	9
EXTREME	imazethapyr	*Pursuit*	2
	glyphosate	*glyphosate*	9
FIELD MASTER	acetochlor	*Harness*	15
	atrazine	*AAtrex*	5
	glyphosate	*glyphosate*	9
FIERCE	flumioxazin	*Valor*	14
	pyroxasulfone	*Zidua*	15
FIERCE XLT	flumioxazin	*Valor*	14
	pyroxasulfone	*Zidua*	15
	chlorimuron	*Classic*	2
FINESSE	chlorsulfuron	*Glean*	2
	metsulfuron	*Ally*	2
FINESSE GRASS AND BROADLEAF	chlorsulfuron	*Glean*	2
	flucarbazone	*Everest*	2
FLEXSTAR GT	fomesafen	*Flexstar*	14
	glyphosate	*glyphosate*	9
FOREFRONT HL	aminopyralid	*Milestone*	4
	2,4-D	*2,4-D*	4
FOXFIRE	fenoxaprop	*Tecoma*	1
	pinoxaden	*Axial XL*	1
FULTIME NXT	acetochlor	*TopNotch*	15
	atrazine	*AAtrex*	5
FUSION	fluazifop	*Fusilade DX*	1
	fenoxaprop	*Puma*	1
GANGSTER	flumioxazin	*Valor*	14
	cloransulam	*FirstRate*	2
GOLDSKY	pyroxsulam	*PowerFlex HL*	2
	florasulam	-----	2
	fluroxypyr	*Starane*	4
HALEX GT	s-metolachlor	*Dual Magnum*	15
	mesotrione	*Callisto*	27
	glyphosate	*glyphosate*	9

PREMIX	ACTIVE INGREDIENT	TRADE NAME®	
SEQUENCE	s-metolachlor	*Dual Magnum*	15
	glyphosate	*glyphosate*	9
SOLSTICE	mesotrione	*Callisto*	27
	fluthiacet	*Cadet*	14
SONIC	sulfentrazone	*Spartan*	14
	cloransulam	*FirstRate*	2
SPARTAN CHARGE	sulfentrazone	*Spartan*	14
	carfentrazone	*Aim*	14
STANZA	clopyralid	*Stinger*	4
	flumetsulam	*Python*	2
STARANE FLEX	florasulam	-----	2
	fluroxypyr	*Starane*	4
STARANE NXT	fluroxypyr	*Starane*	4
	bromoxynil	*Buctril*	6
STATUS	diflufenzopyr	-----	19
	dicamba	*Clarity*	4
STEADFAST Q	nicosulfuron	*Accent Q*	2
	rimsulfuron	*Resolve*	2
STORM	bentazon	*Basagran*	6
	aciflurorfen	*Ultra Blazer*	14
SUPREMACY	fluroxypyr	*Starane*	4
	thifensulfuron	*Harmony*	2
	tribenuron	*Express*	2
SUPREND	prometryn	*Caparol*	5
	trifloxysulfuron	*Envoke*	2
SURESTART II	acetochlor	*Surpass NXT*	15
	clopyralid	*Stinger*	4
	flumetsulam	*Python*	2
SURVEIL	flumioxazin	*Valor*	14
	cloransulam	*FirstRate*	2
SYNCHRONY	chlorimuron	*Classic*	2
	thifensulfuron	*Harmony*	2
TALINOR	bromoxynil	*Buctril*	6
	bicyclopyrone	-----	27
TRAVALLAS	metsulfuron	*Ally*	2
	thifensulfuron	*Harmony*	2
	fluroxypyr	*Starane*	4
TRIPLEFLEX II	acetochlor	*Harness*	15
	clopyralid	*Stinger*	4
	flumetsulam	*Python*	2
TRIVENCE	chlorimuron	*Classic*	2
	flumioxazin	*Valor*	14
	metribuzin	*Metribuzin*	5
VALOR XLT	flumioxazin	*Valor*	14
	chlorimuron	*Classic*	2
VARISTO	imazamox	*Raptor*	2
	bentazon	*Basagran*	6
VELPAR ALFAMAX	hexazinone	*Velpar*	5
	diuron	*Karmex*	7
VERDICT	saflufenacil	*Sharpen*	14
	dimethenamid-P	*Outlook*	15
WARRANT ULTRA	fomesafen	*Reflex*	14
	acetochlor	*Warrant*	15
WELD (FULL DECK)	MCPA	*MCPA*	4
	fluroxypyr	*Starane*	4
	clopyralid	*Stinger*	4
WIDEMATCH	clopyralid	*Stinger*	4
	fluroxypyr	*Starane*	4
WOLVERINE	fenoxaprop	*Tecoma*	1
	pyrasulfotole	-----	27
	bromoxynil	*Buctril*	6
YUKON	dicamba	*Banvel*	4
	halosulfuron	*Permit*	2
ZEMAX	mesotrione	*Callisto*	27
	s-metolachlor	*Dual II Magnum*	15
ZIDUA PRO	imazethypyr	*Pursuit*	2
	saflufenacil	*Sharpen*	14
	pyroxasulfone	*Zidua*	15

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Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a longstanding process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end users must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer's acceptance of the grain or other material being purchased. For more detailed information on the status of a trait or stack, please visit 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 (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed. Always read and follow herbicide label directions prior to use: Enlist® products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist® crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products.

The transgenic soybean event in Enlist E3® soybeans is 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 and its affiliated companies. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

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 Dow AgroSciences technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html

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.

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

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

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. **Roundup Ready 2 Xtend® soybeans 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.

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

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

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.

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

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

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 postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®, Liberty® and Water Droplet logo are registered trademarks of BASF Corporation.

Corn trait Technology incorporated into these seeds is commercialized under license from Syngenta Seeds, Inc. 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.

More information about Duracade™ is available at http://www.biotradestatus.com/.

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