





### **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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	Year.				
ТЕСНИОLОGY	DURACROP ABBREVIATION	GLUFOSINATE	GLYPHOSATE	2,4-D CHOLING	FOP HERBICIDES
C nventional	С	Herbicide	Tolerance		
DuraCrop* Corn					
Roundup Ready: CORN 2	RR		*		
✓ AgrisureGT	GT		X.		
AgrisureGT/LL	GTLL	*	*		
ALCOHOL:	Style Of Control		122		
Agrisure3010	GT2	4	4		
Agrisure Above	AA	*	*		
Agrisure Viptera	GT2V	X	Y		
Viptera	v	*	4		
<b>√</b> TDoublePR0°	VT2P		K		
POWERCORE NEW	PCE	*	4	*	*
	/		W		
Duracade	D	8	*		
Duracade Viptera	DV	*	*		
SmartStax <sup>c</sup>	STX		K		

# CORN TECHNOLOGIES COMPARISON CHART

EUROPEAN CORN BORER CORN BOATWORM WESTERN BEAN CUTWORM SOUTHWESTERN CORN BORER FALL ARMYWORM STALK BORER CORN EARWORM DINGY CUTWORM											
	_		INSEC	T PRO	DTECT	ION M	IODES	OF A	CTION		
										N/A	
										N/A	
										N/A	
										N/A	
						7 7 7			100	the day	-
					I	I	I	I		20% STRUCTURED	
Ш			I	-	Ш	Т	П	I	I	5% BLENDED	
1			I	I	I	1	I	I	I	20% STRUCTURED	
П			Ш	1	Ш	Ш	Ш	Ш	Ш	5% BLENDED	
11					Ш	П	I	П		5% BLENDED 20% STRUCTURED	
П	ı		ı	Τ	Ш	Ш	Ш	1	1	5% BLENDED	
<b>MOVI</b>	N		(Paris			W	0	THE STREET	0	THE STATE OF THE S	
ш		Ξ		-	П	_	П			5% BLENDED	
П		Ξ	Π	_	П	Ξ	П	П	П	5% BLENDED	
П	I	Ш	I		Ш	Ш	I	П		5% BLENDED 20% STRUCTURED	



# HEIGHT RATING SHORT 1 2 3 4 5 TALL RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

2930	9	3 Day RI	м	
Highlights			Plant Style	
01.16 6 1.1		Corn Belt	Plant Height	4
Platform Consistency		Bias	Ear Height	3
Widely adapted Drought Tolerance!		CENTRAL	Cob Color	RED
Drought rolerance:	2!	WEST	Silage Appeal	5
Productive Fields				4
Average Fields				5
Stress Prone Fields				5
Test Weight			3	
Ear Flex				•
Lodging (Overall)				4
Harvest Intactness				4
Disease (Overall)				4
Population Efficacy	Low		Medium	High
Available Traits	Smar	tStax:	<b>STX</b>	

2947	9	4 Day Ri	М	
Highlights			<b>Plant Sty</b>	
Versatile Product		Corn Belt	Plant Height	: 5
Viptera® Protection		Bias	Ear Height	4
Artesian®		CENTRAL	Cob Color	PINK
Dual Purpose		WEST	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	≯ A <u>c</u>	grisureVip	tera GT2V	

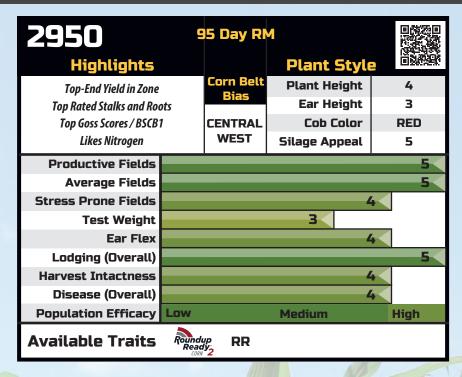
### **POPULATION EFFICACY**

**NOT RECOMMENDED** 



**HIGHLY RECOMMENDED** 





3007	10	00 Day R	М	
Highlights			<b>Plant Styl</b>	
Gen20™ Goes South!		Corn Belt	Plant Height	3
Flagship Product at RM	1	Bias	Ear Height	3
Excellent Dry Down		NONE	Cob Color	RED
Tar Spot Tolerance		NONE	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	<b>VT</b> D	ouble <b>PRO</b> °	VT2P	



# HEIGHT RATING SHORT 1 2 3 4 5 TALL RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3032	10	03 Day R	M		
Highlights			Plant S	tyle	
Top End Yield		Corn Belt	Plant Heig	jht	4
Duracade®		Bias	Ear Heig	ght	4
Superior Plant Health		NONE	Cob Co	lor	PINK
Test Weight		NONE	Silage Appo	eal	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	Agr Agr	isur∈Vipteı	a GT2V	Durac Vipter	ad€ DV

3043	10	04 Day R	M	
Highlights			Plant Styl	
3042 Upgrade		Corn Belt Bias	Plant Height	5
Strong Silage Performan	ce	DIdS	Ear Height	4
Very Stress Tolerant		CENTRAL	Cob Color	PINK
Dual Purpose		WEST	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	A	.grisur€3	8010 GT2	

### **POPULATION EFFICACY**

NOT RECOMMENDED



HIGHLY RECOMMENDED



3059	10	05 Day RI	M NE	W D D	
Highlights			Plant Styl		
*Girthy Ears with Deep Kerne	ls	Corn Belt	Plant Height	4	
*Outstanding Goss's, Greensnap and	Tar Spot	Bias	Ear Height	4	
*Thrives Central and West		CENTRAL	Cob Color	RED	
*Unique Genetics		WEST	Silage Appeal	4	
Productive Fields				4	
Average Fields				4	
Stress Prone Fields				5	
Test Weight				4	
Ear Flex				4	
Lodging (Overall)				4	
Harvest Intactness				4	
Disease (Overall)				5	
Population Efficacy	Low		Medium	High	
Available Traits VTDoublePRO* VT2P					

3079	10	07 Day Ri	М	
Highlights			Plant Style	
Top Disease Package		Corn Belt Bias	Plant Height	4
Girthy Ear, Very Deep Kern	nels	DIdS	Ear Height	4
Key Product at 107 Day R	RM	NONE	Cob Color	RED
Limited Supply		NONE	Silage Appeal	3
Productive Fields				5
Average Fields				5
Stress Prone Fields				•
Test Weight			3	
Ear Flex			3	
Lodging (Overall)				5
Harvest Intactness				5
Disease (Overall)				5
Population Efficacy	Low		Medium	High
Available Traits	<b>VTD</b>	ouble <b>PRO</b> °	VT2P	

# \*

HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3085	108	Day RM	NEW	
Highlights			Plant Style	可發展
*New PowerCore® Enlist® P	roduct	Corn Belt	Plant Height	4
*Dominant Broad Placement	Product	Bias	Ear Height	3
*Medium Statured Plant with Goo	d Test Weight	NONE	Cob Color	PINK
*Top NCLB, Goss's Wilt and Tar Sp	ot Tolerance	NONE	Silage Appeal	4
Productive Fields				5
Average Fields				5
Stress Prone Fields			4	
Test Weight			4	
Ear Flex			3	
Lodging (Overall)			4	
Harvest Intactness			4	
Disease (Overall)				5
Population Efficacy	Low	I	Medium	High
Available Traits	POWERC  Enlist  REFUGE ADVANCED	<del>ORE</del> PO	Œ	

3098	10	09 Day R	М	
Highlights			Plant Styl	
Low Profile Stands Grea	ıt	Corn Belt	Plant Height	3
Polinates Early		Bias	Ear Height	3
Top Seller		NONE	Cob Color	RED
Very Good Drydown		NONE	Silage Appeal	3
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	√TDo	ouble <b>PRO</b> °	VT2P	

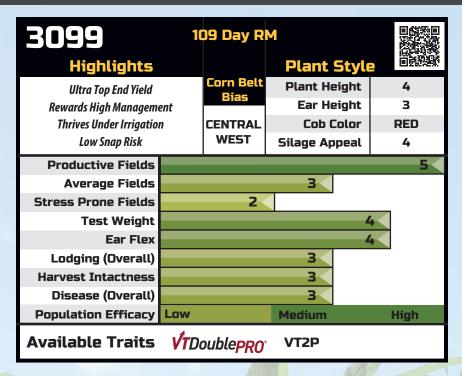
### **POPULATION EFFICACY**

**NOT RECOMMENDED** 



**HIGHLY RECOMMENDED** 





3105	1	10 Day RI	М	
Highlights			Plant Style	
Top End Yield		Corn Belt	Plant Height	4
Test Weight + Grain Qual	lity	Bias	Ear Height	3
Attractive Plant		NONE	Cob Color	Pink
DuracadeViptera™ Only	y	NONE	Silage Appeal	4
Productive Fields				5
Average Fields				•
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		uracade iptera	DV	



HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3111	1	11 Day RN	1	NE	w or o
Highlights			Plant	Style	
*New PowerCore® Enlist® Pr	oduct	Corn Belt Bias	Plant H	eight	4
*Lead Product with Good Ed	ır Flex	DIdS	Ear Ho	eight	3
*Excellent Top End Yield Pot	ential	NONE	Cob (	Color	PINK
*Place on Highly Productive	Fields	NONE	Silage Ap	peal	4
Productive Fields					5
Average Fields				4	
Stress Prone Fields		_	3		
Test Weight				4	
Ear Flex					5
Lodging (Overall)			3		
Harvest Intactness				4	
Disease (Overall)			3		
Population Efficacy	Low		Medium		High
Available Traits	POWE <b>≜</b> Enlist	ERCÓRE	PCE		

3113	1	11 Day R	М		
Highlights			Pl	ant Style	
Premier NE Product		Corn Belt Bias	Pla	nt Height	4
Unprecedented Yield		DIdS	E	ar Height	4
Artesian®		WEST		Cob Color	PINK
Fast Dry Down		WESI	Sila	ge Appeal	3
Productive Fields					5
Average Fields					4
Stress Prone Fields		_	_	3	
Test Weight				3	
Ear Flex					5
Lodging (Overall)					•
Harvest Intactness					
Disease (Overall)					•
Population Efficacy	Low		Med	lium	High
Available Traits	Agri	isureGT/LL	GTLL	Agrisure	Above AA

### **POPULATION EFFICACY**

NOT RECOMMENDED



HIGHLY RECOMMENDED



3119	1	11 Day RN	1	
Highlights			Plant Style	
Solid go-to product		Corn Belt Bias	Plant Height	3
Outstanding Emergence	e	DidS	Ear Height	3
Excellent Roots		NONE	Cob Color	RED
Viptera® Protection		NONE	Silage Appeal	3
Productive Fields				4
Average Fields				
Stress Prone Fields				•
Test Weight			3	
Ear Flex			3	
Lodging (Overall)			-	
Harvest Intactness				
Disease (Overall)			3	
Population Efficacy	Low		Medium	High
Available Traits	V	/iptera	V	

3125	1	12 Day RN	4 N	
Highlights			<b>Plant Sty</b>	
*New PowerCore® Enlist® Pro	duct	Corn Belt Bias	Plant Height	4
*Great Ear Flex and Tip Fil	II .	DIdS	Ear Height	3
*Tough Acre Product		CENTRAL	Cob Color	PINK
*Excellent Drought and Goss's To	olerance	WEST	Silage Appeal	4
Productive Fields			3	
Average Fields				5
Stress Prone Fields				5
Test Weight				5
Ear Flex				5
Lodging (Overall)				4
Harvest Intactness				4
Disease (Overall)			3	
Population Efficacy	Low		Medium	High
Available Traits	POW! <b>≧</b> Enlis		PCE	



HEIGHT RATING SHORT 1 2 3 4 5 TALL

RATINGS SCALE POOR 1 2 3 4 5 EXCELLENT

3127 Highlights	1	12 Day R	M Plant Styl	
Very Dependable		Corn Belt	Plant Height	3
Adaptable to any soil typ	pe	Bias	Ear Height	3
Massive Roots		CENTRAL	Cob Color	RED
High Management Pays	Off	EAST	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	C∜r	oventional DuraCrop* Corn	С	

3135	1	13 Day RI	м	
Highlights			Plant Styl	
Flagship Hybrid		Corn Belt	Plant Height	4
Trait Flexibility		Bias	Ear Height	3
Performs Year after Yea	ır	NONE	Cob Color	RED
Very Adaptable		NONE	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	C∜nve	entional DuraCrop <sup>*</sup> Corn C	<b>√TDoublepR0</b> ° ∨T2P	SmartStax:

### **POPULATION EFFICACY**

NOT RECOMMENDED



HIGHLY RECOMMENDED



3141	1	14 Day Ri	M NE	W D
Highlights			Plant Styl	
*New PowerCore® Enlist® Pi	oduct	Corn Belt	Plant Height	4
*Top End		Bias	Ear Height	4
*Long Ears with Deep Ker	nels	CENTRAL	Cob Color	RED
*Thrives on Good Soil		WEST	Silage Appeal	4
Productive Fields				5
Average Fields				4
Stress Prone Fields			3	
Test Weight				4
Ear Flex				4
Lodging (Overall)			3	
Harvest Intactness				4
Disease (Overall)			3	
Population Efficacy	Low		Medium	High
Available Traits	POW <b>Enlis</b>		PCE	

3143	1	14 Day Ri	М	
Highlights			Plant Styl	
2V Ct at Till Cham		Corn Belt	Plant Height	4
2 Year State Trial Cham	р	Bias	Ear Height	3
Excellent Dry Down Heavy Test Weight		CENTRAL	Cob Color	PINK
neavy rest weight		EAST	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				



SHORT 1 2 3 4 5 TALL
POOR 1 2 3 4 5 EXCELLENT
LOW HIGH

3145	1	14 Day Ri	M NE	
Highlights			Plant Styl	
*New Conventional Produ	ct	Corn Belt	Plant Height	4
*Larege Flex Ears with Kernel I	Depth	Bias	Ear Height	3
*Dual Purpose		NONE	Cob Color	RED
*Stress Tolerant		NONE	Silage Appeal	5
Productive Fields				4
Average Fields				5
Stress Prone Fields				5
Test Weight				4
Ear Flex				5
Lodging (Overall)				4
Harvest Intactness				4
Disease (Overall)				4
Population Efficacy	Low		Medium	High
Available Traits	C∜nv	ventional DuraCrop® Corn	С	

3152	3152 115 Day F		М	
Highlights	Highlights		Plant Styl	
Industry Leading Full Season P	roduct	Corn Belt	Plant Height	4
Lead Dual Purpose Hybrid	1	Bias	Ear Height	4
Spectacular Ear and Plant Appe	arance	NONE	Cob Color	RED
Will Move North of Zone		NONE	Silage Appeal	5
Productive Fields				5
Average Fields	_			5
Stress Prone Fields				5
Test Weight				5
Ear Flex				5
Lodging (Overall)				5
Harvest Intactness				5
Disease (Overall)				5
Population Efficacy	Low		Medium	High
Available Traits	√TDo	oublep <u>R0</u> °	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	AVAILABLI	E TRAIT PA	ACKAGES
3062		grisure Abov	e AA
3072	С	nventional DuraCrop* Corn	С
3080	× A	grisureVipte	ra GT2V
3091		Viptera .	V
3092	С	nventional DuraCrop* Corn	С
3100	V	TDoublepRO*	VT2P
3108	С	nventional DuraCrop* Corn	С
3109	Conventional	C Vip	otera V
3121	С	nventional DuraCrop* Corn	С
3124		DroughtGard*  VTDoublePRO	DGVT2P
3142	С	nventional DuraCrop* Corn	С
3148	AgrisureGT GT	Agrisure Above	Duracade:
3150	С	nventional DuraCrop Corn	С
3154	С	nventional DuraCrop* Corn	С





## **SOYBEAN ANALYSIS CHART**

			Plant Fea	tures				
	BRAND	Availability	Herbicide Trait	RM	Plant Height	Canopy Type	Pubescence	Hilum Color
	4229 E3		2,4-D, LLGT	2.2	М	MB	Gray	BF
6	4269 E3		2,4-D, LLGT	2.6	MT	M	Gray	BF
	4279 E3		2,4-D, LLGT	2.7	MT	М	Gray	BF
Enlist E3	4319 E3		2,4-D, LLGT	3.1	MT	М	Gray	BF
	4339 E3S	NEW	2,4-D, LLGT	3.3	MT	MB	Lt. Tawny	BL
SOYBEANS	4360 E3S	NEW	2,4-D, LLGT	3.6	MT	MB	Lt. Tawny	BL
	4379 E3		2,4-D, LLGT	3.7	MT	MB	Lt. Tawny	BR
ROUNDUP READY 2	4288NR2X		RR2Xtend	2.8	MT	М	Gray	IB
SOYBEANS								
	4220XF	NEW	Xtendflex	2.1	М	MB	Lt. Tawny	BL
	4252XF	Limited	Xtendflex	2.4	MT	MB	Gray	ΙB

	TEEUNI	INEVV	Attitution	2.1	IVI	טועו	Lt. Tawity	
	4252XF	Limited	Xtendflex	2.4	MT	MB	Gray	IB
W ATENDELEY	4260XF	NEW	Xtendflex	2.6	MT	MB	Gray	IB
TENDFLEX. SOYBEANS	4292XF		Xtendflex	2.9	MT	MB	Gray	IB
	4366XF		Xtendflex	3.6	MT	MB	Gray	IB
	4396XF		Xtendflex	3.9	Т	M	Grav	IB

GLYPHOSATE A208GT	GL	2.0	М	MB	Tawny	BL
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_									
I	Conventional	4267NC	NEW	CONV	2.6	M	MB	Gray	BF
	DuraCrop® Soybeans	4277NC		CONV	2.7	MT	MB	Lt. Tawny	BL

	4254NLLGT27	LLGT	2.5	MT	М	Lt. Tawny	BL
LIBERTYLINK CONT	4274NLLGT27	LLGT	2.7	MT	М	Lt. Tawny	BR
	4349NLLGT27	LLGT	3.4	MT	MB	Lt. Tawny	BL

Ratings Key: 1 = Excellent, 2 = Very Good, 3 = Good/Average, 4 = Fair, 5 = Poor

E3 = ENLIST E3® SOYBEANS RR2Xtend = Roundup Ready 2 Xtend® Soybeans XF = XTENDFLEX® SOYBEANS GT = Glyphosate CONV = Conventional LLGT = LIBERTYLINK®GT27

M = Medium, MT = Medium-Tall, MB = Medium Bush, MN = Narrow/Thin-line, T = Tall, B = Bush
N = None, PRR = Phytophthora Root Rot, SCN = Soybean Cyst Nematode
SDS = Sudden Death Syndrome, "-" = Not Available

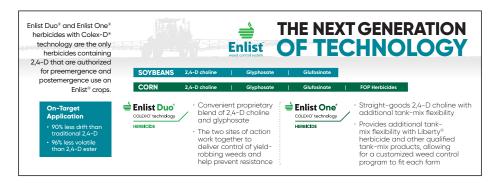
# **2024 SOYBEAN SOLUTIONS**

		Α	grono	mic C	haract	teristic	s				Place	ment	Inform	ation	
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	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	2	1	2	1a	1	-	2	2	2	1	1	1	2	-	2
1	2	1	2	1k	2	1	2	1	1	1	1	2	1	-	1
1	2	1	2	1k	1	1	2	1	1	1	1	2	1	2	1
1	2	1	3	N	2	-	-	2	2	1	1	1	1	1	1
1	2	2	2	3a,1k	1	1	-	2	1	1	2	1	1	1	1
1	2	2	2	N	3	1	3	3	1	1	1	2	1	2	1
1	1	1	1	1c	1	1	1	1	1	1	1	2	1	1	1
1	2	2	2	1c	3	1	3	2	1	1	1	2	1	2	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	2	2	2	1k	1	-	3	2	1	1	1	2	1	-	1
1	2	1	2	-	1	1	-	-	1	1	1	2	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	1	N	1	3	-	1	1	1	1	2	1	-	1



	TECHNOLOGY	DURACROP ABBREVIATION	GLUFOSINATE	GLYPHOSATE	2-4-D CHOLINE	ISOXAFLUTOLE (CERTAIN LOCATE	DICAMBA
			HEF	BICIE	DE TOI	ERAN	ICE
	Conventional DuraCrop* Soybeans	NC					
	GLYPHOSATE Tolerant	GT		*			
EANS	LIBERTYLINK GI27	LLGT27	<del>\\</del>	<del>\\</del>		<del>\\</del>	
SOYBEANS	Enlist E3 SOYBEANS	E3	*	*	<del>A</del>		
	ROUNDUP READY 2 TEND SOYBEANS	NR2X		*			*
	TENDFLEX. 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



LibertyLink GT27 is not tolerant to all HPPD herbicides. Allite"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 singling a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink 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. GT20 is a registered trademark of M.S. Technologies, L.L.C.MS Technologies and the second process of t



### FEATURED SOYBEAN PRODUCTS

4229E3





4229E3 was launched in 2022 and continues to excel year after year. It works east to west and has excellent white mold scores. Other highlights include standability, IDC and PRR.

### 4339E3S





4339E3S is closely related to 4360E3S at 3.3 maturity rather than 3.6. It is a very defensive line with excellent ratings in stress tolerance SDS and PRR. It is light tawny in color and is expected to be our number one seller in 2024.

### 4360E35





4360E3S had a huge break-out in 2022 testing. After three years of observation and increases we've repeatedly seen excellent SDS and PRR tolerance. It has incredible late season plant health and very good stress tolerance. 4360s have averaged 110% of trial means from Ohio to Nebraska over three years.

#### LIBERTYLINK<sup>®</sup>



# FEATURED SOYBEAN PRODUCTS

4274LLGT27





At the late group 2 maturity range we expect 4274LLGT27 to be our bestselling line in 2024. With excellent scores across the board, 4274 excels everywhere. An attractive light tawny/tan that stands well and cuts easy.

4349NLLGT27



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.



### OTHER FEATURED SOYBEAN PRODUCTS

# 4267NC RM 2.5

4267NC 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.



4220XF is a new XtendFlex® line that has shown outstanding performance from Southern IA to Minnesota and South Dakota. It has outstanding yield potential and is also an excluder if you're dealing with high salinity in soils or irrigation water.



4260XF is a new XtendFlex® line that is broadly adapted east to west. It's a medium tall variety with great standability and yield potential. Notable attributes also include good SDS and PRR scores.



# 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

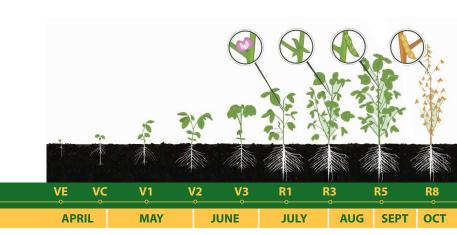
Red Clover/Other Legumes, Field Grasses, Pasture Mixes: Certified Marathon, Medium Red Clover, Mammoth, Timothy, Bromegrass, Orchardgrass, Kentucky Bluegrass, Ryegrass

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.

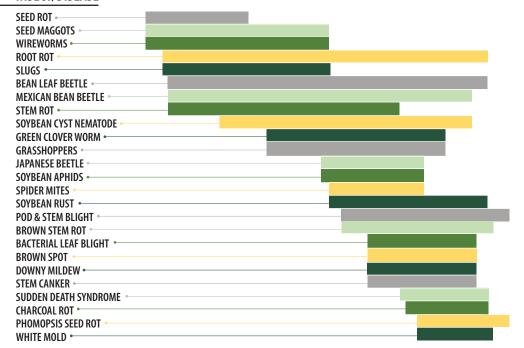
Additional: Custom cover crop blends, premium hay & pasture mixes and waterway mixes. Call for any custom blends and additional information.



## SOYBEAN SCOUTING CALENDAR



#### 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.

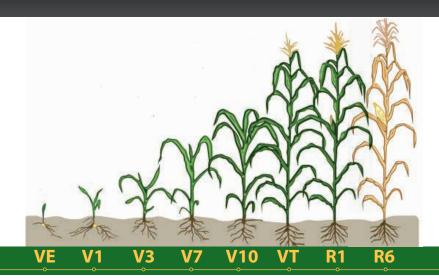


**Soybean Aphid** – Soybean aphids are very small (less than 1/16th inch long), soft-bodied, pear-shaped insects. They vary in color

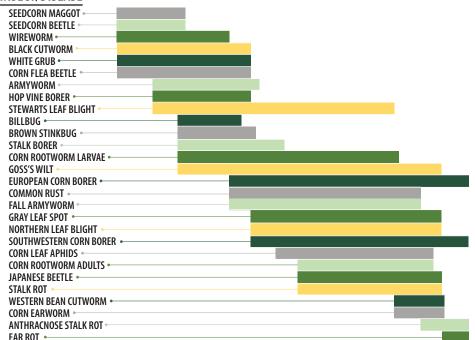
from pale yellow to light green with black cornicles on the back of the abdomen. Early season aphid feeding can lead to stunted plants with fewer nodes, which can result in fewer pods.



## 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 1/1000 <sup>th</sup> 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,  $19 \times 10,000 = 190,000$ 

 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 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 begin 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.





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

### **SOYBEAN DISEASES**

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.



PREMIX	ACTIVE INGREDIENT	TRADE NAME®		PREMIX	ACTIVE INGREDIENT	TRADE NAME®	GROU	OF-ACTION P
	bicyclopyrone		<b>2</b>	HARNESS XTRA	acetochlor	Harness (1		
ACURON -	mesotrione	Callisto	<b>2</b>	IIAMEGO ATION	atrazine	AAtrex		(a
-	atrazine	AAtrex	5	HORNET	clopyralid	Stinger		
	s-metolachlor	Dual II Magnum	15)		flumetsulam	Python		
Fluid	bicyclopyrone	C-III-4-	27	HUSKIE	pyrasulfotole	(2 Pt-1/		(a
Acuron Flexi	mesotrione	Callisto	27)		bromoxynil	Buctril		
	s-metolachlor	Dual II Magnum	15)	HUSKIE COMPLETE	pyrasulfotole	(2		
AFFINITY BROADSPEC _ (Affinity Tankmix)	thifensulfuron tribenuron	Harmony Express	2	HUSKIE COMPLETE	bromoxynil thionochorono	Buctril Varro		EPSF
	thifensulfuron	Harmony	2		thiencarbazone rimsulfuron	Resolve, Matrix		(5-enolpyi
AFFORIA	tribenuron	Express	<b>8</b>	INSTIGATE	mesotrione	Callisto (2		
ra i okan	flumioxazin	Valor	Ö	KEYSTONE NXT	acetochlor	Surpass NXT		T11
	dicamba	Clarity	4	(Keystone LA NXT)	atrazine	AAtrex		
	thifensulfuron	Harmony	2		2,4-D	2,4-D, others		
AGILITY SG	tribenuron	Express	<b>2</b>	KOCHIAVORE	fluroxypyr	Starane		
	metsutfuron	Ally	Õ		bromoxynil	Buctril, others		
	thifensulfuron	Harmony	<b>2</b>	LEADOFF	rimsulfuron	Resolve		AUXIN
ALLY EXTRA	tribenuron	Express	<b>2</b>	LEADOFF	thifensulfuron	Harmony		
	metsulfuron	Ally	2		mesotrione	Callisto (2		
	pyroxasulfone	Zidua	<b>1</b> 5	LEXAR EZ	s-metolachlor	Dual II Magnum 🌘		PHOT
ANTHEM ATZ	fluthiacet	Cadet	13		atrazine	AAtrex		(diffe
	atrazine	AAtrex	<b>⑤</b>		mesotrione	Callisto (2		
ANTHEM FLEX	pyroxasulfone	Zidua	<b>1</b> 5	LUMAX EZ	s-metolachlor	Dual II Magnum 🌘		
PARTITION .	carfentrazone	Aim	<b>@</b>		atrazine	AAtrex		PHOT
ANTHEM MAXX -	pyroxasulfone	Zidua	15)	MARVEL	fluthiacet	Cadet		(diffe
THE THE PARTY OF T	fluthiacet	Cadet	<u>@</u>	TOWNEL	fomesafen	Flexstar	K	
ARMEZON PRO	tropramezone	Armezon	<b>2</b>	OBEY	clomazone	Command		PHOT
	dimethenamid-P	Outlook	<b>15</b> )		quinclorac	Facet		(diffe
AUTHORITY ASSIST	sulfentrazone	Spartan		OPTILL	saflufenacil	Sharpen		(unite
	imazethapyr	Pursuit	2		imazethapyr	Pursuit		
AUTHORITY ELITE	sulfentrazone	Spartan		ORTH L DDG	saflufenacil	Sharpen (1		
	s-metolachlor	Dual Magnum	(15) (14)	OPTILL PRO	imazethapyr	Pursuit Outlook		GLUTAMI
AUTHORITY FIRST	sulfentrazone cloransulam	Spartan	2		dimethenamid-P			
	sulfentrazone	FirstRate Spartan	16	ORION	florasulam MCPA	MCPA		
AUTHORITY MTZ	metribuzin	Metribuzin	5		thifensulfuron	Harmony		PHYTOENE I
AUTHORITY XL	sulfentrazone	Spartan	<b>6</b>	PANOFLEX	tribenuron	Express	2 12/	· · · · · · · · · · · · · · · · · · ·
(Authority Maxx)	chlorimuron	Classic	2		thifensulfuron	Harmony		
	iodosulfuron	Autumn	2	PERMIT PLUS	halosulfuron	Permit		
AUTUMN SUPER	thiencarbazone	Varro	2		s-metolachlor	Dual Magnum		DOX
twist orth	pinoxaden	Axial XL	Ŏ	PREFIX	fomesafen	Reflex (1		(1-DEOXY
AXIAL STAR	fluroxypyr	Starane	0	PRESULT	rimsulfuron	Resolve		
AVIOLA	flufenacet	Define	<b>1</b> 5	PREQUEL	isoxaflutole	Balance		
AXIOM	metribuzin	Metribuzin	<b>5</b>		desmedipham	Betenex	27)	
BASIS BLEND	rimsulfuron	Resolve	2	PROGRESS	phenmedipham			
DAJIJ DLEND	thifensulfuron	Harmony	2		ethofumesate	Nortron (1	3	
BETAMIX	desmedipham	Betenex	<b>5</b>	PULSAR	dicamba	Clarity		
DEIAMIA	phenmedipham		<b>⑤</b>	rotonn	fluroxypyr	Starane		
BICEP II MAGNUM	s-metolachlor		15)	QUELEX	halauxifen	Arylex	2	
(Bicep Lite II Magnum)	atrazine	AAtrex	5		florasulam			
BOUNDARY -	s-metolachlor	Dual Magnum	15)	RAVE	triasulfuron	Amber		PHOTOSY
	metribuzin	Metribuzin	5		dicamba	Clarity		
BRAKE F2	fomesafen	Flexstar	14	RAZE	flucarbazone	Everest		
	fluridone	Sonar	1		fluroxypyr	Starane		
BREAKFREE NXT ATZ (Breakfree NXT Lite)	acetochlor	Breakfree NXT	15)	REALM Q	rimsulfuron	Resolve		MIC
(Diedkijee ikki Like)	atrazine	AAtrex Dual Magnum	<b>5</b>		mesotrione	Callisto		
BROADAXE XC	s-metolachlor		(15) (14)	REBELEX	cyhalofop	Clincher		
	sulfentrazone	Spartan Aim			penoxsulam	Grasp Stinger		LIPIC
BROADHEAD	carfentrazone	Facet	4	RESICORE	clopyralid acetochlor		- X	21112
	quinclorac	Buctril		RESILURE	mesotrione	Surpass NXT (1) Callisto (2)		
BRONATE	bromoxynil MCPA	MCPA	<b>6</b>		rimsulfuron	Resolve		
	mesotrione	Callisto	<b>2</b>	RESOLVE Q	thifensulfuron	Harmony		LONG-CH
CALLISTO GT	glyphosate	glyphosate	Õ		nicosulfuron	Accent Q		LUNG-CH
	mesotrione	Callisto	<b>~</b>	REVULIN Q	mesotrione	Callisto		
CALLISTO XTRA	atrazine	AAtrex	<b>2</b> 0		proposycarbazone	Olympus		
	chlorimuron	Classic	<b>a</b>	RIMFIRE MAX	mesosulfuron	Osprey		SPE
CANOPY	metribuzin	Metribuzin	<b>2</b> <b>5</b>		dicamba	XtendiMax		Jr.
	chlorimuron	Classic	2	ROUNDUP XTEND*	glyphosate	glyphosate		
CANOPY EX	tribenuron	Express	0		flumioxazin	Valor		
	thiencarbazone	Varro	ŏ	ROWEL FX	chlorimuron	Classic		NU
CAPRENO -	tembotrione	Laudis	<u></u>		thifensulfuron	Harmony		
				CENTRALLAC		,		

fluroxypyr

SENTRALLAS

Starane

ACASE INHIBITORS

**ALS INHIBITORS** acetolactate snythase)

P SYNTHASE INHIBITOR ruvyl-shikimate-3-phosphate)

(synthetic auxins)

N TRANSPORT INHIBITOR

TOSYSTEM II INHIBITORS ferent binding than 6 & 7)

TOSYSTEM II INHIBITORS erent bonding than 5 & 7)

TOSYSTEM II INHIBITORS

INE SYNTHETASE INHIBITOR

DESATURASE (PDS) INHIBITOR

P SYNTHASE INHIBITOR Y-D-XYULOSE 5-PHOSPHATE)

**HPPD INHIBITORS** 

**PPO INHIBITORS** 

YSTEM I ELECTRON DIVERTER

IAIN FATTY ACID INHIBITORS

ECIFIC SITE UNKNOWN

## HERBICIDE CLASSIFICATION

NUMBER OF RESISTANT WEED SPECIES IN U.S.	PREMIX	ACTIVE INGREDIENT	TRADE NAME®	PREMIX	ACTIVE INGREDIENT	TRADE NAME®
15		MCPA	MCPA (4	)	r	
19	CARNIVORE	clopyralid	Stinger 4	arauruar.	s-metolachlor	Dual Magnum
		bromoxynil	Buctril 6	SEQUENCE	glyphosate	glyphosate
		glufosinate	Cheetah (10		mesotrione	Callisto
47	CHEETAH MAX	fornesafen	Reflex 12		fluthiacet	Cadet
77	CINCH ATZ	s-metolachlor	Dual II Magnum (15		sulfentrazone	Spartan
	(Cinch ATZ Lite)	atrazine	AAtrex 5		cloransulam	FirstRate
		quinclorac	Facet 4		sulfentrazone	Spartan
15	CLEARPATH	imazethapyr	Newpath 2		carfentrazone	Aim
19	COLT. OALIMO	2,4-D	2,4-D 4	,	clopyralid	Stinger
	COLT + SALVO (Trump Card)	fluroxypyr	Starane 2		flumetsulam	Python
	thank said	MCPA	MCPA 4			ryaion
8	COLT + SWORD				florasulam	Starane
		fluroxypyr			fluroxypyr	
	CORVUS	thiencarbazone	Varro (2		fluroxypyr	Starane
		isoxaflutole	Balance Flexx 2		bromoxynil	Buctril
0	CURTAIL	clopyralid	Stinger		diflufenzopyr	
· ·		2,4-D	2,4-D (4		dicamba	Clarity
	CURTAIL M	clopyralid	Stinger 4		nicosulfuron	Accent Q
		MCPA	MCPA 4		rimsulfuron	Resolve
24	DEGREE XTRA	acetochlor	Degree 🕕		bentazon	Basagran
26	DEGICE ATM	atrazine	AAtrex 5		acifluorfen	Ultra Blazer
	DIFLEXX DUO	dicamba	DiFlexx 4		fluroxypyr	Starane
	DILITERY DOO	tembotrione	Laudis @	SUPREMACY	thifensulfuron	Harmony
1		chlorimuron	Classic		tribenuron	Express
1	DILIGENT*	rimsulfuron	Resolve 2		prometryn	Caparol
		flumioxazin	Valor 12	SUPREND	trifloxysulfuron	Envoke
		2,4-D	2,4-D (4	(	acetochlor	Surpass NXT
	ENLIST DUO	glyphosate	glyphosate		clopyralid	Stinger
9		chlorimuron	Classic 2		flumetsulam	Python
	ENLITE	thifensulfuron	Harmony 2		flumioxazin	Valor
	LHLIC	flumioxazin	Valor 14		cloransulam	FirstRate
			Classic			Classic
1	ENVIVE	chlorimuron thifensulfuron			chlorimuron thifensulfuron	
	ENVIVE			,		Harmony
		flumioxazin	Valor (1	TALINDR	bromoxynil	Buctril
		s-metolachlor	Dual Magnum (15		bicyclopyrone	
1	EXPERT	atrazine	AAtrex 5		metsutfuron	Ally
		glyphosate	glyphosate		thifensulfuron	Harmony
	EXTREME	imazethapyr	Pursuit (2		fluroxypyr	Starane
	LAIRLPIL	glyphosate	glyphosate		acetochlor	Harness
1		acetochlor	Harness (15		clopyralid	Stinger
	FIELD MASTER	atrazine	AAtrex 5		flumetsulam	Python
		glyphosate	glyphosate 🧑		chlorimuron	Classic
	FIFTOF	flumioxazin	Valor (12	TRIVENCE	flumioxazin	Valor
2	FIERCE	pyroxasulfone	Zidua (15		metribuzin	Metribuzin
		flumioxazin	Valor (14		flumioxazin	Valor
	FIERCE XLT	pyroxasulfone	Zidua (15		chlorimuron	Classic
		chlorimuron	Classic 2		imazamox	Raptor
3		chlorsulfuron	Glean 2		bentazon	Basagran
	FINESSE	metsulfuron	Ally 2		hexazinone	Velpar
	FINESSE GRASS	chlorsulfuron	Glean		diuron	Karmex
	AND BROADLEAF	flucarbazone	Everest 2		saflufenacil	Sharpen
5		fornesafen	Flexstar 14		dimethenamid-P	Outlook
	FLEXSTAR GT					
		glyphosate			formesafen	Reflex
	FOREFRONT HL	aminopyralid	Milestone 4		acetochlor	Warrant
6		2,4-D	2,4-D 4	WFID	MCPA	MCPA
The state of the s	FOXFIRE	fenoxaprop	Tecoma	(FULL DECK)	fluroxypyr	Starane
	-	pinoxaden	Axial XL 1		clopyralid	Stinger
	FULTIME NXT	acetochlor	TopNotch (E	WIDEMATCH	clopyralid	Stinger
5	TOLINIL NAT	atrazine	AAtrex 5		fluroxypyr	Starane
	FUSION	fluazifop	Fusilade DX 🕕		fenoxaprop	Tecoma
	LOSION	fenoxaprop	Puma 📵		pyrasulfotole	
	CANCOTTO	flumioxazin	Valor (1		bromoxynil	Buctril
	GANGSTER	cloransulam	FirstRate		dicamba	Banvel
1		pyroxsulam	PowerFlex HL 2	YUKON	halosulfuron	Permit
1		florasulam	2		mesotrione	Callisto
1	GOLDSKY					
1	GOLDSKY		Starane	LLFINA	s-metolachior	Dual II Mannum
	GOLDSKY	fluroxypyr			s-metolachlor imazethynyr	
0		fluroxypyr s-metolachlor	Dual Magnum 🕕		imazethypyr	Pursuit Sharnen
	GOLDSKY HALEX GT	fluroxypyr		ZIDUA PRO		

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

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html). To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience. In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

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

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

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

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

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

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

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

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.



LIBERTY 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®, Duracade®, 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/.





DuraCropSeed.com

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