ALLEGIANT®

SEED

2026 GUIDE

LOCAL DATA
PROVEN GENETICS
RELIABLE RESULTS

PLEDGE ALLEGIANT

allegiantseed.com

CHS®

Allegiant® seed products aren't chosen by a team in some faraway office. They are selected for specific soil types and growing conditions by agronomists walking your fields. Agronomists who get to know your soil by hand, your farm by name and your goals by heart.

We remain committed to evolving alongside you, adapting to your changing needs with data-driven improvements. By continuously refining and expanding our seed offerings based on performance results and feedback, we ensure that every decision supports strong, reliable yields for you.

ALLEGIANT®
SEED

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We strive to serve you from the ground up.
To champion you with local insights and innovative technology.
To prove our worth with solid genetic traits, and constantly show our unwavering commitment by increasing your yields.

N·EDGE®

N·EDGE® N·EDGE® 2 N·EDGE® PRO N·EDGE® SOIL 2

KEEP NITROGEN WHERE IT'S NEEDED.

You already know where your nitrogen should be — now take control with N-Edge® from CHS®. With multiple formula options, N-Edge helps you apply nitrogen precisely where it's needed, reducing volatilization, denitrification, and leaching. Because when nitrogen stays where it belongs, success is yours to command.

Ask your CHS representative about the many benefits of N-Edge.

chsagronomy.com

CHS®

Our robust corn lineup has terrific depth to fit your needs. You'll find a variety of agronomic characteristics that enable high corn yields and excellent grain quality, from solid early-season vigor and excellent root ratings to strong drought tolerance and fast drydown.

Combining diverse seed genetics with industry-leading trait packages, Allegiant seed delivers the right product with proven performance to your acre. Your local CHS agronomy experts will help you select the right Allegiant seed to meet your goals. They'll also help you maximize your investment with the right crop nutrients, innovative crop protection products and targeted precision technologies. We look forward to helping you make the most of every corn acre.

NOTES

			MATURITY			AGRONOMIC CHARACTERISTICS													
		Trait	Relative Maturity	GDU to Flower	GDU to Black Layer	Ear Type	Kernel Rows	Cob Color	Husk Cover	Test Weight	Drydown	Plant Height	Ear Height	Staygreen	Green Snap	Stalk Rating	Root Rating	Early Plant Vigor	Silage Rating
	Allegiant 8037	VT2P	80	1090	2095	SF	18-20	Red	A	2	3	MT	MH	4	3	3	3	3	2
	Allegiant 8187	VT2P	81	995	1910	SD	14-16	Red	A	3	4	M	M	4	5	2	3	2	4
	Allegiant 8482	VT2P	84	1085	2090	SF	16-18	Red	A	4	4	MT	M	4	2	4	4	2	2
NEW	Allegiant 8515	PCE	85	1145	2140	SF	14-18	Red	A	4	4	M	M	3	3	4	3	3	4
	Allegiant 8537	VT2P	85	1115	2150	SF	18-20	Pink	A	2	3	MT	MH	3	3	3	3	4	2
	Allegiant 8704	VT2P	87	1145	2210	SD	18-20	Red	A	3	2	M	MS	4	4	2	2	3	2
NEW	Allegiant 8728	VT2P	87	1150	2230	SF	14-16	Red	A	4	4	M	M	4	4	4	4	3	3
	Allegiant 8990	VT2P	89	1160	2260	SF	16-18	Red	S	4	3	MS	M	3	4	2	3	3	5
NEW	Allegiant 9089	PCE	90	1140	2240	SF	14-16	Red	A	3	3	MT	MH	2	4	2	3	3	2
	Allegiant 9109	VT2P	91	1135	2215	SD	16-18	Red	A	4	3	M	M	3	3	3	3	2	4
	Allegiant 9165	V	91	1215	2305	SF	16-18	Red	A	4	4	MT	M	4	4	2	5	2	2
	Allegiant 9484	DGVT2P	94	1195	2330	F	16-18	Red	S	1	3	MT	MH	5	3	3	3	1	2
	Allegiant 9611	SSPRO	96	1250	2430	SD	16-18	Red	A	3	3	M	M	4	2	3	3	3	4
	Allegiant 9747	TRE	97	1220	2370	SF	16-18	Red	A	3	2	M	M	2	2	2	2	2	3
	Allegiant 9825	VT4P	98	1205	2355	SD	16-18	Red	A	3	2	MS	M	3	3	2	2	3	4
	Allegiant 9884	DGVT2P	98	1230	2395	SF	16-18	Pink	A	3	3	MT	M	3	3	2	3	1	2
	Allegiant 10050	VT2P	100	1255	2450	SF	14-16	Red	A	2	2	MS	M	4	2	4	2	1	4
	Allegiant 10166	SSPRO	101	1250	2460	SF	16-18	Red	A	4	2	M	M	4	3	3	2	2	2
NEW	Allegiant 10333	PCE	103	1250	2565	SF	16-18	Red	A	3	3	M	M	2	2	2	3	2	2
	Allegiant 10484	DGVT2P	104	1300	2600	SF	16-18	Red	A	4	3	MT	MH	4	3	3	4	2	3
	Allegiant 10551	VT2P	105	1305	2465	SF	16-18	Red	A	4	2	M	M	3	4	4	3	2	4
NEW	Allegiant 10673	PCE	106	1290	2600	SF	16-18	Red	A	3	3	MT	MH	3	2	3	3	2	3
	Allegiant 10687	SSPRO	106	1255	2460	SD	14-16	Red	A	5	3	M	M	4	2	4	4	2	3
	Allegiant 10828	VT2P	108	1295	2580	SF	16-18	Red	L	4	4	MT	MH	3	2	2	3	2	2
NEW	Allegiant 11124	VT4P	111	1290	2555	SF	18-20	Red	A	3	4	MT	H	3	3	2	4	3	2
	Allegiant 11171	VT2P	111	1270	2510	SF	16-18	Red	A	4	3	M	M	3	2	2	2	3	2
	Allegiant 11591	TRE	115	1350	2680	SF	16-18	Red	L	2	2	MT	M	4	2	2	4	1	1

Trait
- VT2P — VT Double PRO® RIB Complete®
- SSPRO — SmartStax® PRO RIB Complete®
- TRE — Trecepta® RIB Complete®
- V — Viptera®
- DGVT2P — DroughtGard® Hybrids VT Double PRO® RIB Complete®
- VT4P — VT4PRO™ RIB Complete®
- PCE — PowerCore® Enlist® Refuge Advanced®

Ear Type
- F — Flex
- SF — Semi-Flex
- SD — Semi-Determinate

Plant Height
- T — Tall
- MT — Medium-Tall
- M — Medium
- MS — Medium-Short
- S — Short

Husk Cover
- L — Long
- A — Adequate
- S — Short

Ear Height
- H — High
- MH — Medium-High
- M — Medium
- MS — Medium-Short
- S — Short

FIELD PERFORMANCE									DISEASE RESISTANCE							HERBICIDE SENSITIVITY			
Fine Soil Type	Medium Soil Type	Coarse Soil Type	High Management	Response to Fungicide	Response to Nitrogen	Response to Irrigation	Population Tolerance	Drought Tolerance	Gray Leaf Spot	Northern Leaf Blight	Goss's Wilt	Common Rust	Southern Rust	Tar Spot	Anthracnose Stalk Rot	Growth Regulators	Pigment Inhibitors/ HPPD Inhibitors (grp 27)	Sulfonylureas/ ALS Inhibitors (grp 2)	
3	3	3	2	4	4	4	M	4	5	4	3	2	5	4	1	A	A	A	Allegiant 8037
2	2	2	3	4	2	2	MH	3	5	3	3	7	7	7	4	A	A	A	Allegiant 8187
2	2	2	4	6	4	4	M	2	5	4	2	2	6	5	4	A	A	A	Allegiant 8482
2	1	4	2	3	3	3	M-MH	4	5	4	3	5	5	4	3	A	A	A	Allegiant 8515 NEW
2	2	3	2	4	2	2	M-MH	4	5	4	4	2	5	5	5	A	A	A	Allegiant 8537
3	2	3	2	4	2	2	M-MH	4	5	4	4	2	9	6	5	A	A	A	Allegiant 8704
2	3	3	2	2	3	2	M	4	5	4	4	4	5	5	4	A	A	A	Allegiant 8728 NEW
3	2	2	2	2	2	2	MH	4	4	4	6	4	5	5	4	A	A	A	Allegiant 8990
3	2	2	2	2	2	2	M-MH	4	6	5	3	5	5	6	2	C	A	A	Allegiant 9089 NEW
2	2	2	2	4	4	2	M-MH	3	5	3	3	2	5	5	2	A	A	A	Allegiant 9109
2	2	2	3	4	3	3	M	2	4	2	2	3	5	5	4	A	A	A	Allegiant 9165
2	2	2	2	2	2	2	L-M	2	5	5	5	3	5	5	5	A	A	A	Allegiant 9484
3	2	3	2	2	3	3	MH	4	5	5	5	2	6	5	2	A	A	A	Allegiant 9611
2	2	2	4	4	3	3	L-M	2	4	4	3	2	5	5	1	A	A	A	Allegiant 9747
2	3	2	4	2	3	3	M-MH	3	4	3	4	2	4	3	2	A	A	A	Allegiant 9825
1	2	2	1	2	4	2	M-MH	2	5	3	4	3	6	4	3	A	A	A	Allegiant 9884
2	2	2	2	4	2	2	M	2	5	5	2	2	4	4	1	A	A	A	Allegiant 10050
2	2	2	2	4	2	2	MH	3	4	3	4	2	5	5	2	A	A	A	Allegiant 10166
2	2	2	2	3	2	3	M	2	3	2	2	3	5	4	3	A	A	A	Allegiant 10333 NEW
2	2	1	2	2	3	4	M	2	3	5	2	4	4	6	2	A	A	A	Allegiant 10484
2	2	2	5	3	4	3	L-M	3	5	4	3	4	4	4	2	A	A	A	Allegiant 10551
2	2	3	3	3	3	3	M	3	4	4	2	3	5	4	3	A	A	A	Allegiant 10673 NEW
2	2	3	1	2	1	1	M	4	5	5	5	2	5	5	1	C	A	A	Allegiant 10687
2	2	3	3	3	2	3	M	3	4	5	3	2	6	5	2	A	A	A	Allegiant 10828
2	2	3	2	2	2	3	L-M	2	4	3	3	3	6	5	2	A	A	A	Allegiant 11124 NEW
2	2	2	2	3	3	2	M	3	4	3	2	2	5	5	2	A	A	A	Allegiant 11171
2	2	2	1	2	2	2	M-MH	5	5	4	5	2	6	5	2	A	A	A	Allegiant 11591

Rating
1 Excellent
5 Average
9 Fair

Herbicide Sensitivity
A Acceptable
C Caution

Tolerance
H High
MH Medium-High
M Medium
ML Medium-Low
L Low

Allegiant 8037

Well-known background with high yield potential.

AGRONOMICS	
Relative Maturity	80
GDU to Black Layer	2095
Ear Type	SF
Kernel Rows	18-20
Test Weight	2
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	MT
Ear Height	MH
Staygreen	4
Green Snap	3
Stalk Rating	3
Root Rating	3
Early Plant Vigor	3
Silage	2

FIELD PERFORMANCE	
Fine Soil	3
Medium Soil	3
Coarse Soil	3
High Management	2
Fungicide Response	4
Nitrogen Response	4
Irrigation Response	4
Population Tolerance	M
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	3
Common Rust	2
Southern Rust	5
Tar Spot	4
Anthracnose Stalk Rot	1

VTDoublePRO® RIB COMPLETE™

Allegiant 8187

Best-in-class emergence on a well-rounded agronomic package, which makes this a broad-acre product.

AGRONOMICS	
Relative Maturity	81
GDU to Black Layer	1910
Ear Type	SD
Kernel Rows	14-16
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	4
Plant Height	M
Ear Height	M
Staygreen	4
Green Snap	5
Stalk Rating	2
Root Rating	3
Early Plant Vigor	2
Silage	4

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	3
Fungicide Response	4
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	MH
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	3
Goss's Wilt	3
Common Rust	7
Southern Rust	7
Tar Spot	7
Anthracnose Stalk Rot	4

VTDoublePRO® RIB COMPLETE™

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 8482

Great drought tolerance and excellent emergence for the no-till acre, with great ear flex.

AGRONOMICS	
Relative Maturity	84
GDU to Black Layer	2090
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	4
Plant Height	MT
Ear Height	M
Staygreen	4
Green Snap	2
Stalk Rating	4
Root Rating	4
Early Plant Vigor	2
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	4
Fungicide Response	6
Nitrogen Response	4
Irrigation Response	4
Population Tolerance	M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	2
Common Rust	2
Southern Rust	6
Tar Spot	5
Anthracnose Stalk Rot	4

VTDoublePRO® RIB COMPLETE

Allegiant 8515 NEW

Our earliest PowerCore® Enlist® corn featuring strong emergence and stalks with big-time yield.

AGRONOMICS	
Relative Maturity	85
GDU to Black Layer	2140
Ear Type	SF
Kernel Rows	14-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	4
Plant Height	M
Ear Height	M
Staygreen	3
Green Snap	3
Stalk Rating	4
Root Rating	3
Early Plant Vigor	3
Silage	4

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	1
Coarse Soil	4
High Management	2
Fungicide Response	3
Nitrogen Response	3
Irrigation Response	3
Population Tolerance	M-MH
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	3
Common Rust	5
Southern Rust	5
Tar Spot	4
Anthracnose Stalk Rot	3

POWERCORE® Enlist® REFUGE ADVANCED

Allegiant 8537

Excellent test weight with girthy ears that excel under high management.

AGRONOMICS	
Relative Maturity	85
GDU to Black Layer	2150
Ear Type	SF
Kernel Rows	18-20
Test Weight	2
Cob Color	Pink
Husk Cover	A
Drydown	3
Plant Height	MT
Ear Height	MH
Staygreen	3
Green Snap	3
Stalk Rating	3
Root Rating	3
Early Plant Vigor	4
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	3
High Management	2
Fungicide Response	4
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	M-MH
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	4
Common Rust	2
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	5

VTDoublePRO® RIB COMPLETE™

Allegiant 8704

Top-end yield potential with upgraded Goss's Wilt tolerance.

AGRONOMICS	
Relative Maturity	87
GDU to Black Layer	2210
Ear Type	SD
Kernel Rows	18-20
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	2
Plant Height	M
Ear Height	MS
Staygreen	4
Green Snap	4
Stalk Rating	2
Root Rating	2
Early Plant Vigor	3
Silage	2

FIELD PERFORMANCE	
Fine Soil	3
Medium Soil	2
Coarse Soil	3
High Management	2
Fungicide Response	4
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	M-MH
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	4
Common Rust	2
Southern Rust	9
Tar Spot	6
Anthracnose Stalk Rot	5

VTDoublePRO® RIB COMPLETE™

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 8728 NEW

Well-rounded agronomic package to cover a wide range of yield environments.

AGRONOMICS	
Relative Maturity	87
GDU to Black Layer	2230
Ear Type	SF
Kernel Rows	14-16
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	4
Plant Height	M
Ear Height	M
Staygreen	4
Green Snap	4
Stalk Rating	4
Root Rating	4
Early Plant Vigor	3
Silage	3

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	3
Coarse Soil	3
High Management	2
Fungicide Response	2
Nitrogen Response	3
Irrigation Response	2
Population Tolerance	M
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	4
Common Rust	4
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	4

VTDoublePRO® RIB COMPLETE

Allegiant 8990

Succeeds in variable to high-yield environments. An option that you can push management and see results.

AGRONOMICS	
Relative Maturity	89
GDU to Black Layer	2260
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	S
Drydown	3
Plant Height	MS
Ear Height	M
Staygreen	3
Green Snap	4
Stalk Rating	2
Root Rating	3
Early Plant Vigor	3
Silage	5

FIELD PERFORMANCE	
Fine Soil	3
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	2
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	MH
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	4
Goss's Wilt	6
Common Rust	4
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	4

VTDoublePRO® RIB COMPLETE

Allegiant 9089 NEW

Plant early product that has flexibility to run west and reach top-end yield under high management.

AGRONOMICS	
Relative Maturity	90
GDU to Black Layer	2240
Ear Type	SF
Kernel Rows	14-16
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	MT
Ear Height	MH
Staygreen	2
Green Snap	4
Stalk Rating	2
Root Rating	3
Early Plant Vigor	3
Silage	2

FIELD PERFORMANCE	
Fine Soil	3
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	2
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	M-MH
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	6
Northern Leaf Blight	5
Goss's Wilt	3
Common Rust	5
Southern Rust	5
Tar Spot	6
Anthracnose Stalk Rot	2

POWERCORE Enlist REFUGE ADVANCED

Allegiant 9109

Upgraded emergence and standability versus legacy products, with top-end yield.

AGRONOMICS	
Relative Maturity	91
GDU to Black Layer	2215
Ear Type	SD
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	M
Ear Height	M
Staygreen	3
Green Snap	3
Stalk Rating	3
Root Rating	3
Early Plant Vigor	2
Silage	4

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	4
Nitrogen Response	4
Irrigation Response	2
Population Tolerance	M-MH
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	3
Goss's Wilt	3
Common Rust	2
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	2

VTDoublePRO RIB COMPLETE

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 9165

Great western corn with dual-purpose flexibility.

AGRONOMICS	
Relative Maturity	91
GDU to Black Layer	2305
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	4
Plant Height	MT
Ear Height	M
Staygreen	4
Green Snap	4
Stalk Rating	2
Root Rating	5
Early Plant Vigor	2
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	3
Fungicide Response	4
Nitrogen Response	3
Irrigation Response	3
Population Tolerance	M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	2
Goss's Wilt	2
Common Rust	3
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	4

Viptera

Allegiant 9484

Our go-anywhere option with lineup-leading emergence and drydown to move north in zone.

AGRONOMICS	
Relative Maturity	94
GDU to Black Layer	2330
Ear Type	F
Kernel Rows	16-18
Test Weight	1
Cob Color	Red
Husk Cover	S
Drydown	3
Plant Height	MT
Ear Height	MH
Staygreen	5
Green Snap	3
Stalk Rating	3
Root Rating	3
Early Plant Vigor	1
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	2
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	L-M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	5
Goss's Wilt	5
Common Rust	3
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	5

DroughtGard HYBRIDS
VTDoublePRO

Allegiant 9611

Our earliest SmartStax® PRO with RNAi Technology option with great stalks and response to high management.

AGRONOMICS	
Relative Maturity	96
GDU to Black Layer	2430
Ear Type	SD
Kernel Rows	16-18
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	M
Ear Height	M
Staygreen	4
Green Snap	2
Stalk Rating	3
Root Rating	3
Early Plant Vigor	3
Silage	4

FIELD PERFORMANCE	
Fine Soil	3
Medium Soil	2
Coarse Soil	3
High Management	2
Fungicide Response	2
Nitrogen Response	3
Irrigation Response	3
Population Tolerance	MH
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	5
Goss's Wilt	5
Common Rust	2
Southern Rust	6
Tar Spot	5
Anthracnose Stalk Rot	2

SmartStax PRO RIB COMPLETE

Allegiant 9747

Excellent emergence with solid standability and disease package.

AGRONOMICS	
Relative Maturity	97
GDU to Black Layer	2370
Ear Type	SF
Kernel Rows	16-18
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	2
Plant Height	M
Ear Height	M
Staygreen	2
Green Snap	2
Stalk Rating	2
Root Rating	2
Early Plant Vigor	2
Silage	3

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	4
Fungicide Response	4
Nitrogen Response	3
Irrigation Response	3
Population Tolerance	L-M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	4
Goss's Wilt	3
Common Rust	2
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	1

Trecepta® RIB COMPLETE

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 9825

Dual-purpose VT4PRO™ with RNAi Technoloy product with strong performance in all yield environments.

AGRONOMICS	
Relative Maturity	98
GDU to Black Layer	2355
Ear Type	SD
Kernel Rows	16-18
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	2
Plant Height	MS
Ear Height	M
Staygreen	3
Green Snap	3
Stalk Rating	2
Root Rating	2
Early Plant Vigor	3
Silage	4

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	3
Coarse Soil	2
High Management	4
Fungicide Response	2
Nitrogen Response	3
Irrigation Response	3
Population Tolerance	M-MH
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	3
Goss's Wilt	4
Common Rust	2
Southern Rust	4
Tar Spot	3
Anthracnose Stalk Rot	2

VT4PRO™ RIB COMPLETE®

Allegiant 9884

Year-after-year solid performance and emergence from day one.

AGRONOMICS	
Relative Maturity	98
GDU to Black Layer	2395
Ear Type	SF
Kernel Rows	16-18
Test Weight	3
Cob Color	Pink
Husk Cover	A
Drydown	3
Plant Height	MT
Ear Height	M
Staygreen	3
Green Snap	3
Stalk Rating	2
Root Rating	3
Early Plant Vigor	1
Silage	2

FIELD PERFORMANCE	
Fine Soil	1
Medium Soil	2
Coarse Soil	2
High Management	1
Fungicide Response	2
Nitrogen Response	4
Irrigation Response	2
Population Tolerance	M-MH
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	3
Goss's Wilt	4
Common Rust	3
Southern Rust	6
Tar Spot	4
Anthracnose Stalk Rot	3

DroughtGard® HYBRIDS
VTDoublePRO® RIB COMPLETE®

Allegiant 10050

Superior emergence with excellent ability to play from high to low-yield environments.

AGRONOMICS	
Relative Maturity	100
GDU to Black Layer	2450
Ear Type	SF
Kernel Rows	14-16
Test Weight	2
Cob Color	Red
Husk Cover	A
Drydown	2
Plant Height	MS
Ear Height	M
Staygreen	4
Green Snap	2
Stalk Rating	4
Root Rating	2
Early Plant Vigor	1
Silage	4

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	4
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	5
Goss's Wilt	2
Common Rust	2
Southern Rust	4
Tar Spot	4
Anthracnose Stalk Rot	1

VTDoublePRO® RIB COMPLETE®

Allegiant 10166

Consistently impressive yields supported by strong agronomics.

AGRONOMICS	
Relative Maturity	101
GDU to Black Layer	2460
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	2
Plant Height	M
Ear Height	M
Staygreen	4
Green Snap	3
Stalk Rating	3
Root Rating	2
Early Plant Vigor	2
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	4
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	MH
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	3
Goss's Wilt	4
Common Rust	2
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	2

SmartStax® PRO RIB COMPLETE®

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 10333 NEW

Well-rounded PowerCore® Enlist® product with impressive performance across all yield environments, delivering late-season intactness and top-end yield potential.

AGRONOMICS	
Relative Maturity	103
GDU to Black Layer	2565
Ear Type	SF
Kernel Rows	16-18
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	M
Ear Height	M
Staygreen	2
Green Snap	2
Stalk Rating	2
Root Rating	3
Early Plant Vigor	2
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	3
Nitrogen Response	2
Irrigation Response	3
Population Tolerance	M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	3
Northern Leaf Blight	2
Goss's Wilt	2
Common Rust	3
Southern Rust	5
Tar Spot	4
Anthracnose Stalk Rot	3

POWERCORE Enlist REFUGE ADVANCED

Allegiant 10484

Western product with excellent drought tolerance and performance.

AGRONOMICS	
Relative Maturity	104
GDU to Black Layer	2600
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	MT
Ear Height	MH
Staygreen	4
Green Snap	3
Stalk Rating	3
Root Rating	4
Early Plant Vigor	2
Silage	3

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	1
High Management	2
Fungicide Response	2
Nitrogen Response	3
Irrigation Response	4
Population Tolerance	M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	3
Northern Leaf Blight	5
Goss's Wilt	2
Common Rust	4
Southern Rust	4
Tar Spot	6
Anthracnose Stalk Rot	2

DroughtGard HYBRIDS
VTDoublePRO RIB COMPLETE

Allegiant 10551

Top tough-acre performer.

AGRONOMICS	
Relative Maturity	105
GDU to Black Layer	2465
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	2
Plant Height	M
Ear Height	M
Staygreen	3
Green Snap	4
Stalk Rating	4
Root Rating	3
Early Plant Vigor	2
Silage	4

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	5
Fungicide Response	3
Nitrogen Response	4
Irrigation Response	3
Population Tolerance	L-M
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	3
Common Rust	4
Southern Rust	4
Tar Spot	4
Anthracnose Stalk Rot	2

VTDoublePRO RIB COMPLETE

Allegiant 10673 NEW

Broadly adaptable PowerCore® Enlist® product with a phenominal balance of yield potential and agronomics.

AGRONOMICS	
Relative Maturity	106
GDU to Black Layer	2600
Ear Type	SF
Kernel Rows	16-18
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	MT
Ear Height	MH
Staygreen	3
Green Snap	2
Stalk Rating	3
Root Rating	3
Early Plant Vigor	2
Silage	3

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	3
High Management	3
Fungicide Response	3
Nitrogen Response	3
Irrigation Response	3
Population Tolerance	M
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	4
Goss's Wilt	2
Common Rust	3
Southern Rust	5
Tar Spot	4
Anthracnose Stalk Rot	3

POWERCORE Enlist REFUGE ADVANCED

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 10687

Top-performing SmartStax® PRO with RNAi Technology product for this relative maturity range.

AGRONOMICS	
Relative Maturity	106
GDU to Black Layer	2460
Ear Type	SD
Kernel Rows	14-16
Test Weight	5
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	M
Ear Height	M
Staygreen	4
Green Snap	2
Stalk Rating	4
Root Rating	4
Early Plant Vigor	2
Silage	3

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	3
High Management	1
Fungicide Response	2
Nitrogen Response	1
Irrigation Response	1
Population Tolerance	M
Drought Tolerance	4

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	5
Goss's Wilt	5
Common Rust	2
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	1

SmartStax PRO RIB COMPLETE

Allegiant 10828

Impressive emergence and early-season vigor with excellent agronomics and strong yield potential.

AGRONOMICS	
Relative Maturity	108
GDU to Black Layer	2580
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	L
Drydown	4
Plant Height	MT
Ear Height	MH
Staygreen	3
Green Snap	2
Stalk Rating	2
Root Rating	3
Early Plant Vigor	2
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	3
High Management	3
Fungicide Response	3
Nitrogen Response	2
Irrigation Response	3
Population Tolerance	M
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	5
Goss's Wilt	3
Common Rust	2
Southern Rust	6
Tar Spot	5
Anthracnose Stalk Rot	2

VTDoublePRO RIB COMPLETE

Allegiant 11124 NEW

New VT4PRO™ with RNAi Technology product providing top-end yield potential with solid rootworm defense on the rotated acre.

AGRONOMICS	
Relative Maturity	111
GDU to Black Layer	2555
Ear Type	SF
Kernel Rows	18-20
Test Weight	3
Cob Color	Red
Husk Cover	A
Drydown	4
Plant Height	MT
Ear Height	H
Staygreen	3
Green Snap	3
Stalk Rating	2
Root Rating	4
Early Plant Vigor	3
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	3
High Management	2
Fungicide Response	2
Nitrogen Response	2
Irrigation Response	3
Population Tolerance	L-M
Drought Tolerance	2

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	3
Goss's Wilt	3
Common Rust	3
Southern Rust	6
Tar Spot	5
Anthracnose Stalk Rot	2

VT4PRO™ RIB COMPLETE®

Allegiant 11171

Standout performance in this relative maturity. Yield punch backed with stable agronomics.

AGRONOMICS	
Relative Maturity	111
GDU to Black Layer	2510
Ear Type	SF
Kernel Rows	16-18
Test Weight	4
Cob Color	Red
Husk Cover	A
Drydown	3
Plant Height	M
Ear Height	M
Staygreen	3
Green Snap	2
Stalk Rating	2
Root Rating	2
Early Plant Vigor	3
Silage	2

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	2
Fungicide Response	3
Nitrogen Response	3
Irrigation Response	2
Population Tolerance	M
Drought Tolerance	3

DISEASE RESISTANCE	
Gray Leaf Spot	4
Northern Leaf Blight	3
Goss's Wilt	2
Common Rust	2
Southern Rust	5
Tar Spot	5
Anthracnose Stalk Rot	2

VTDoublePRO® RIB COMPLETE®

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 11591

Consistent high performer with strong response to management.

AGRONOMICS	
Relative Maturity	115
GDU to Black Layer	2680
Ear Type	SF
Kernel Rows	16-18
Test Weight	2
Cob Color	Red
Husk Cover	L
Drydown	2
Plant Height	MT
Ear Height	M
Staygreen	4
Green Snap	2
Stalk Rating	2
Root Rating	4
Early Plant Vigor	1
Silage	1

FIELD PERFORMANCE	
Fine Soil	2
Medium Soil	2
Coarse Soil	2
High Management	1
Fungicide Response	2
Nitrogen Response	2
Irrigation Response	2
Population Tolerance	M-MH
Drought Tolerance	5

DISEASE RESISTANCE	
Gray Leaf Spot	5
Northern Leaf Blight	4
Goss's Wilt	5
Common Rust	2
Southern Rust	6
Tar Spot	5
Anthracnose Stalk Rot	2

Trecepta® RIB COMPLETE

SHAKE UP YOUR YIELD POTENTIAL

Protect your crop investment from the start with Abivium™ from CHS. Engineered for precision planters, this nutritional seed lubricant ensures even seed flow, provides essential nutrients on seed and contains a package of biostimulants and metabolites to combat abiotic stress. With Abivium, every seed gets its best start, setting your crops up for success.

ABIVIUM™

Talk to your agronomist to add Abivium to your seed order today.

chsagronomy.com

CHS®

The Allegiant soybean lineup includes top-tier genetics, the newest traits and powerful technologies. You can rely on us to offer seed with a depth of diversified germplasm that enables top-end performance.

In addition to being farmer-owned, CHS brings a unique perspective to its soybean seed line because we are a major soybean processor and producer of soy products. Our customized selection of soybean seed is carefully chosen to meet your needs and market demand, based on performance and data analytics as well as feedback from our customers about their priorities.

You'll find a range of the agronomic characteristics you desire – from impressive emergence to enhanced standability and exceptional stress tolerance – that enable strong performance in many yield environments.

NOTES

				AGRONOMIC CHARACTERISTICS									
		Trait	Relative Maturity	Emergence	Plant Height	Plant Type	Standability	Stress Tolerance	Flower	Pubescence	Podwall	Hilum	Salt
	Allegiant 009F93N	XtendFlex	0.09	2	MT	MB	3	3	P	LT	BL	BL	Includer
	Allegiant 009F23	XtendFlex	0.09	1	M	MB	2	2	P	T	BL	BL	Includer
	Allegiant 01F24N	XtendFlex	0.1	3	MT	MB	3	3	P	LT	BL	BL	Includer
NEW	Allegiant 02F96N	XtendFlex	0.2	2	MT	MB	4	2	P	T	BR	BL	Includer
	Allegiant 05F54N	XtendFlex	0.5	2	MT	MB	3	3	P	G	BL	IB	Includer
NEW	Allegiant 07F36N	XtendFlex	0.7	1	MT	MB	3	3	P	LT	BR	BL	Includer
NEW	Allegiant 09F16N	XtendFlex	0.9	2	M	I	2	3	P	LT	TN	BL	Includer
	Allegiant 14F35N	XtendFlex	1.4	2	MT	MB	3	2	P	G	TN	IB	Includer
	Allegiant 22F82N	XtendFlex	2.2	3	MT	I	3	2	P	G	TN	IB	Includer
	Allegiant 24F83N	XtendFlex	2.4	3	MT	MB	4	3	P	G	BR	IB	Includer
	Allegiant 26F32N	XtendFlex	2.6	2	M	B	3	2	P	G	T	G	Excluder
	Allegiant 28F33N	XtendFlex	2.8	2	MT	MB	4	2	P	G	T	G	Excluder
NEW	Allegiant 48F95NS*	XtendFlex	4.8	2	MT	MB	4	3	P	LT	TN	BL	Excluder

*Sulfonylurea Tolerance

Trait
XtendFlex XtendFlex® Soybeans

Plant Height
T Tall
MT Medium-Tall
M Medium
MS Medium-Short
S Short

Plant Type
B Bushy
MB Medium-Bushy
I Intermediate
M Medium
T Thin

Color
BR Brown
BL Black
IB Imperfect Black
TN Tan
T Tawny
LT Light Tawny
G Gray
P Purple

FIELD PERFORMANCE									DISEASE RESISTANCE								
Narrow Row	Wide Row	No-Till	Fine Soil Type	Medium Soil Type	Coarse Soil Type	Poorly-Drained Soil	Yield Environment Low	Yield Environment High	PRR Gene	PRR	SCN Greenhouse	Iron Deficiency Chlorosis	Brown Stem Rot	White Mold	SDS		
G	VG	VG	VG	VG	VG	E	E	VG	Rps1c	4	PI 88788	4	MR	5	NR	Allegiant 009F93N	
VG	VG	VG	VG	VG	VG	G	VG	E	Rps1k	6	S	3	R	4	NR	Allegiant 009F23	
G	VG	E	VG	VG	VG	VG	E	E	Rps1c	5	PI 88788	3	MR	4	NR	Allegiant 01F24N	
VG	VG	E	G	G	G	G	VG	VG	Rps1c	5	PI 88788	3	MR	5	NR	Allegiant 02F96N	NEW
VG	VG	VG	VG	VG	E	E	E	E	Rps1c	4	PI 88788	2	R	3	NR	Allegiant 05F54N	
E	VG	VG	VG	E	G	VG	VG	E	Rps1c	4	PI 88788	2	MR	3	5	Allegiant 07F36N	NEW
VG	E	E	VG	E	E	VG	E	E	Rps1c	3	PI 88788	4	MR	3	4	Allegiant 09F16N	NEW
VG	VG	VG	VG	VG	VG	E	VG	E	Rps1c Rps3a	2	PI 88788	3	R	3	4	Allegiant 14F35N	
VG	VG	E	G	E	E	E	E	VG	Rps3a	2	PI 88788	3	MR	4	3	Allegiant 22F82N	
G	VG	G	E	G	G	G	G	E	Rps1c	3	PI 88788	5	R	4	4	Allegiant 24F83N	
G	E	E	VG	VG	E	VG	E	VG	Rps1c	3	PI 88788	3	R	4	5	Allegiant 26F32N	
VG	VG	E	E	VG	G	G	VG	E	Rps1c	4	PI 88788	5	R	4	7	Allegiant 28F33N	
E	E	VG	VG	E	E	VG	E	E	Rps1c	4	PI 88788	5	NA	5	6	Allegiant 48F95NS	NEW

Ratings

1	Excellent	E	Excellent	R	Resistant
5	Average	VG	Very Good	MR	Moderately Resistant
9	Fair	G	Good	NR	Not Rated
		S	Susceptible	NG	No Gene

Allegiant 009F93N

Plant type and yield that excels in western environments.

AGRONOMICS	
Relative Maturity	0.09
Emergence	2
Plant Height	MT
Standability	3
Stress Tolerance	3
Plant Type	MB
Flower	P
Pubescence	LT
Podwall	BL
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	VG
Coarse Soil	VG
Poorly-Drained Soil	E
Narrow Row	G
Wide Row	VG
No-Till	VG
Yield Environment Low	E
Yield Environment High	VG

DISEASE RESISTANCE	
Phytophthora Root Rot	4
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	4
Brown Stem Rot	MR
White Mold	5
Sudden Death Syndrome	NR
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 009F23

IDC and standability leader at this relative maturity.

AGRONOMICS	
Relative Maturity	0.09
Emergence	1
Plant Height	M
Standability	2
Stress Tolerance	2
Plant Type	MB
Flower	P
Pubescence	T
Podwall	BL
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	VG
Coarse Soil	VG
Poorly-Drained Soil	G
Narrow Row	VG
Wide Row	VG
No-Till	VG
Yield Environment Low	VG
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	6
PRR Gene	Rps1k
Soybean Cyst Nematode	S
Iron Deficiency Chlorosis	3
Brown Stem Rot	R
White Mold	4
Sudden Death Syndrome	NR
Salt	Includer

XTENDFLEX SOYBEANS

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 01F24N

Well-rounded plant type and agronomics which make this a big-acre product.

AGRONOMICS	
Relative Maturity	0.1
Emergence	3
Plant Height	MT
Standability	3
Stress Tolerance	3
Plant Type	MB
Flower	P
Pubescence	LT
Podwall	BL
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	VG
Coarse Soil	VG
Poorly-Drained Soil	VG
Narrow Row	G
Wide Row	VG
No-Till	E
Yield Environment Low	E
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	5
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	3
Brown Stem Rot	MR
White Mold	4
Sudden Death Syndrome	NR
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 02F96N NEW

Great yield potential with IDC tolerance and complementary agronomics that allow for broad-acre placement.

AGRONOMICS	
Relative Maturity	0.2
Emergence	2
Plant Height	MT
Standability	4
Stress Tolerance	2
Plant Type	MB
Flower	P
Pubescence	T
Podwall	BR
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	G
Medium Soil	G
Coarse Soil	G
Poorly-Drained Soil	G
Narrow Row	VG
Wide Row	VG
No-Till	E
Yield Environment Low	VG
Yield Environment High	VG

DISEASE RESISTANCE	
Phytophthora Root Rot	5
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	3
Brown Stem Rot	MR
White Mold	5
Sudden Death Syndrome	NR
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 05F54N

Lineup-leading IDC with head-turning yields.

AGRONOMICS	
Relative Maturity	0.5
Emergence	2
Plant Height	MT
Standability	3
Stress Tolerance	3
Plant Type	MB
Flower	P
Pubescence	G
Podwall	BL
Hilum	IB

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	VG
Coarse Soil	E
Poorly-Drained Soil	E
Narrow Row	VG
Wide Row	VG
No-Till	VG
Yield Environment Low	E
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	4
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	2
Brown Stem Rot	R
White Mold	3
Sudden Death Syndrome	NR
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 07F36N NEW

Another key IDC product with an impressive plant type and great standability for high-yield environments.

AGRONOMICS	
Relative Maturity	0.7
Emergence	1
Plant Height	MT
Standability	3
Stress Tolerance	3
Plant Type	MB
Flower	P
Pubescence	LT
Podwall	BR
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	E
Coarse Soil	G
Poorly-Drained Soil	VG
Narrow Row	E
Wide Row	VG
No-Till	VG
Yield Environment Low	VG
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	4
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	2
Brown Stem Rot	MR
White Mold	3
Sudden Death Syndrome	5
Salt	Includer

XTENDFLEX SOYBEANS

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 09F16N NEW

A versatile product that strikes a perfect balance between toughness and high performance.

AGRONOMICS	
Relative Maturity	0.9
Emergence	2
Plant Height	M
Standability	2
Stress Tolerance	3
Plant Type	I
Flower	P
Pubescence	LT
Podwall	TN
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	E
Coarse Soil	E
Poorly-Drained Soil	VG
Narrow Row	VG
Wide Row	E
No-Till	E
Yield Environment Low	E
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	3
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	4
Brown Stem Rot	MR
White Mold	3
Sudden Death Syndrome	4
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 14F35N

Eye-catching soybean backed by performance and defensive characteristics.

AGRONOMICS	
Relative Maturity	1.4
Emergence	2
Plant Height	MT
Standability	3
Stress Tolerance	2
Plant Type	MB
Flower	P
Pubescence	G
Podwall	TN
Hilum	IB

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	VG
Coarse Soil	VG
Poorly-Drained Soil	E
Narrow Row	VG
Wide Row	VG
No-Till	VG
Yield Environment Low	VG
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	2
PRR Gene	Rps1c Rps3a
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	3
Brown Stem Rot	R
White Mold	3
Sudden Death Syndrome	4
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 22F82N

Excellent adaptability from low to high-yield environments.

AGRONOMICS	
Relative Maturity	2.2
Emergence	3
Plant Height	MT
Standability	3
Stress Tolerance	2
Plant Type	I
Flower	P
Pubescence	G
Podwall	TN
Hilum	IB

FIELD PERFORMANCE	
Fine Soil	G
Medium Soil	E
Coarse Soil	E
Poorly-Drained Soil	E
Narrow Row	VG
Wide Row	VG
No-Till	E
Yield Environment Low	E
Yield Environment High	VG

DISEASE RESISTANCE	
Phytophthora Root Rot	2
PRR Gene	Rps3a
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	3
Brown Stem Rot	MR
White Mold	4
Sudden Death Syndrome	3
Salt	Includer

XTENDFLEX SOYBEANS

Allegiant 24F83N

Key performer bringing yield and stability across yield environments.

AGRONOMICS	
Relative Maturity	2.4
Emergence	3
Plant Height	MT
Standability	4
Stress Tolerance	3
Plant Type	MB
Flower	P
Pubescence	G
Podwall	BR
Hilum	IB

FIELD PERFORMANCE	
Fine Soil	E
Medium Soil	G
Coarse Soil	G
Poorly-Drained Soil	G
Narrow Row	G
Wide Row	VG
No-Till	G
Yield Environment Low	G
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	3
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	5
Brown Stem Rot	R
White Mold	4
Sudden Death Syndrome	4
Salt	Includer

XTENDFLEX SOYBEANS

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant 26F32N

Proven performance across yield environments backed by excellent defensive package.

AGRONOMICS	
Relative Maturity	2.6
Emergence	2
Plant Height	M
Standability	3
Stress Tolerance	2
Plant Type	B
Flower	P
Pubescence	G
Podwall	T
Hilum	G

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	VG
Coarse Soil	E
Poorly-Drained Soil	VG
Narrow Row	G
Wide Row	E
No-Till	E
Yield Environment Low	E
Yield Environment High	VG

DISEASE RESISTANCE	
Phytophthora Root Rot	3
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	3
Brown Stem Rot	R
White Mold	4
Sudden Death Syndrome	5
Salt	Excluder

XTENDFLEX SOYBEANS

Allegiant 28F33N

High-yielding soybean supported by a strong agronomic package.

AGRONOMICS	
Relative Maturity	2.8
Emergence	2
Plant Height	MT
Standability	4
Stress Tolerance	2
Plant Type	MB
Flower	P
Pubescence	G
Podwall	T
Hilum	G

FIELD PERFORMANCE	
Fine Soil	E
Medium Soil	VG
Coarse Soil	G
Poorly-Drained Soil	G
Narrow Row	VG
Wide Row	VG
No-Till	E
Yield Environment Low	VG
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	4
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	5
Brown Stem Rot	R
White Mold	4
Sudden Death Syndrome	7
Salt	Excluder

XTENDFLEX SOYBEANS

Allegiant 48F95NS NEW

Versatile soybean which performs well in multiple soil types with solid stress tolerance supported by the excluder gene.

AGRONOMICS	
Relative Maturity	4.8
Emergence	2
Plant Height	MT
Standability	4
Stress Tolerance	3
Plant Type	MB
Flower	P
Pubescence	LT
Podwall	TN
Hilum	BL

FIELD PERFORMANCE	
Fine Soil	VG
Medium Soil	E
Coarse Soil	E
Poorly-Drained Soil	VG
Narrow Row	E
Wide Row	E
No-Till	VG
Yield Environment Low	E
Yield Environment High	E

DISEASE RESISTANCE	
Phytophthora Root Rot	4
PRR Gene	Rps1c
Soybean Cyst Nematode	PI 88788
Iron Deficiency Chlorosis	5
Brown Stem Rot	NA
White Mold	5
Sudden Death Syndrome	6
Salt	Excluder

XTENDFLEX SOYBEANS

*Sulfonylurea Tolerance

Ratings
1 = Excellent 5 = Average 9 = Fair

Allegiant spring wheat delivers proven performance, attractive fields and strong yield potential, all to help ensure you succeed with continuous improvement. You'll find a diversified lineup with vital agronomic characteristics, such as solid standability and excellent disease and insect tolerance, to address a range of field conditions and challenges.

As a major global grain marketer and partner in Ardent Mills (North America's leading flour supplier), CHS also has unique insights that can help ensure your spring wheat satisfies the protein content, milling quality and other demands of today's wheat buyers.

NOTES

Allegiant 6343

High-yielding medium to early maturity with excellent standability, test weight and protein.

AGRONOMICS	
Emergence	2
Test Weight	2
Standability	2
Protein Content	2
Yield Potential	1
Plant Height	M
Planting Rate	MH
Maturity	EM

FIELD PERFORMANCE	
Response to Population	MH
Response to Nitrogen	MH
Response to Fungicide	MH

DISEASE RESISTANCE	
Fusarium Head Blight	7
Tillering	2
Stripe Rust	2

INSECT RESISTANCE	
Saw Fly	7
Hessian Fly	3

Allegiant 6455 NEW

Medium-tall plant height with excellent yield potential and very good standability.

AGRONOMICS	
Emergence	2
Test Weight	3
Standability	3
Protein Content	4
Yield Potential	3
Plant Height	MT
Planting Rate	MH
Maturity	M

FIELD PERFORMANCE	
Response to Population	MH
Response to Nitrogen	M
Response to Fungicide	MH

DISEASE RESISTANCE	
Fusarium Head Blight	7
Tillering	3
Stripe Rust	7

INSECT RESISTANCE	
Saw Fly	7
Hessian Fly	7

Ratings
1 Excellent
5 Average
9 Fair

Plant Height
T Tall
MT Medium-Tall
M Medium
MS Medium-Short
S Short

Planting Rate
M Medium
MH Medium-High
H High

Maturity
E Early
EM Early-Medium
M Medium
ML Medium-Late
L Late

Allegiant 6495 NEW

Superior yield potential with improved agronomic package.

AGRONOMICS	
Emergence	2
Test Weight	2
Standability	3
Protein Content	2
Yield Potential	1
Plant Height	M
Planting Rate	MH
Maturity	M

FIELD PERFORMANCE	
Response to Population	MH
Response to Nitrogen	MH
Response to Fungicide	MH

DISEASE RESISTANCE	
Fusarium Head Blight	5
Tillering	2
Stripe Rust	2

INSECT RESISTANCE	
Saw Fly	6
Hessian Fly	7

Allegiant 8175

Medium plant height with good fusarium head blight and stress tolerance.

AGRONOMICS	
Emergence	2
Test Weight	3
Standability	2
Protein Content	3
Yield Potential	4
Plant Height	M
Planting Rate	MH
Maturity	ML

FIELD PERFORMANCE	
Response to Population	H
Response to Nitrogen	M
Response to Fungicide	M

DISEASE RESISTANCE	
Fusarium Head Blight	3
Tillering	4
Stripe Rust	2

INSECT RESISTANCE	
Saw Fly	4
Hessian Fly	3

Allegiant 822

Medium to late-maturity wheat with good standability to go across all yield environments.

AGRONOMICS	
Emergence	2
Test Weight	2
Standability	3
Protein Content	2
Yield Potential	2
Plant Height	MT
Planting Rate	MH
Maturity	ML

FIELD PERFORMANCE	
Response to Population	MH
Response to Nitrogen	MH
Response to Fungicide	MH

DISEASE RESISTANCE	
Fusarium Head Blight	6
Tillering	3
Stripe Rust	2

INSECT RESISTANCE	
Saw Fly	8
Hessian Fly	3

Allegiant 8432

High-end yield wheat that fits acres in southern North Dakota and South Dakota.

AGRONOMICS	
Emergence	1
Test Weight	2
Standability	5
Protein Content	3
Yield Potential	2
Plant Height	MT
Planting Rate	M
Maturity	M

FIELD PERFORMANCE	
Response to Population	M
Response to Nitrogen	MH
Response to Fungicide	MH

DISEASE RESISTANCE	
Fusarium Head Blight	5
Tillering	2
Stripe Rust	2

INSECT RESISTANCE	
Saw Fly	7
Hessian Fly	3

Ratings
1 Excellent
5 Average
9 Fair

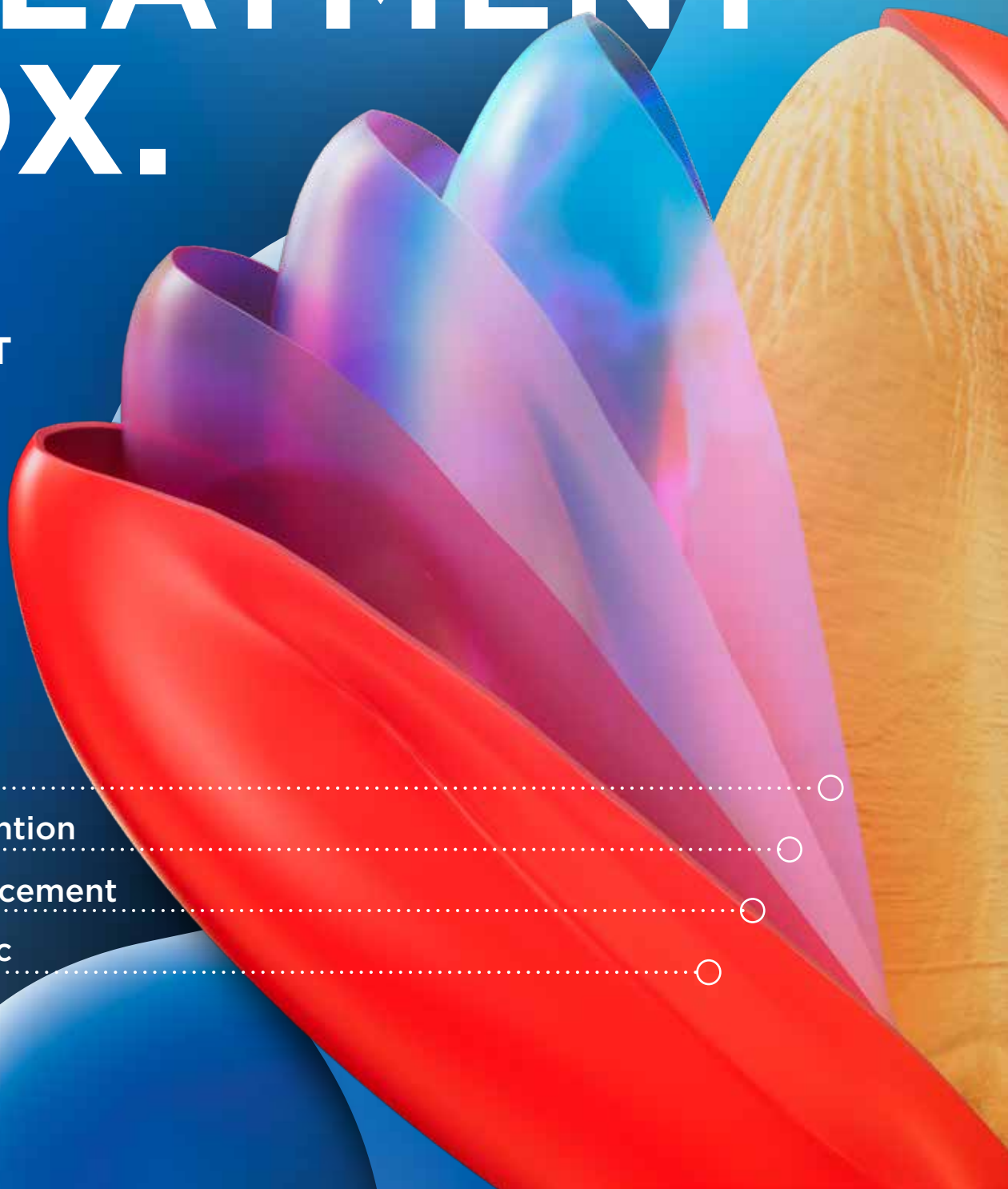
Plant Height
T Tall
MT Medium-Tall
M Medium
MS Medium-Short
S Short

Planting Rate
M Medium
MH Medium-High
H High

Maturity
E Early
EM Early-Medium
M Medium
ML Medium-Late
L Late

STI·CUSTOMIZED

THINK OUTSIDE THE SEED TREATMENT BOX.



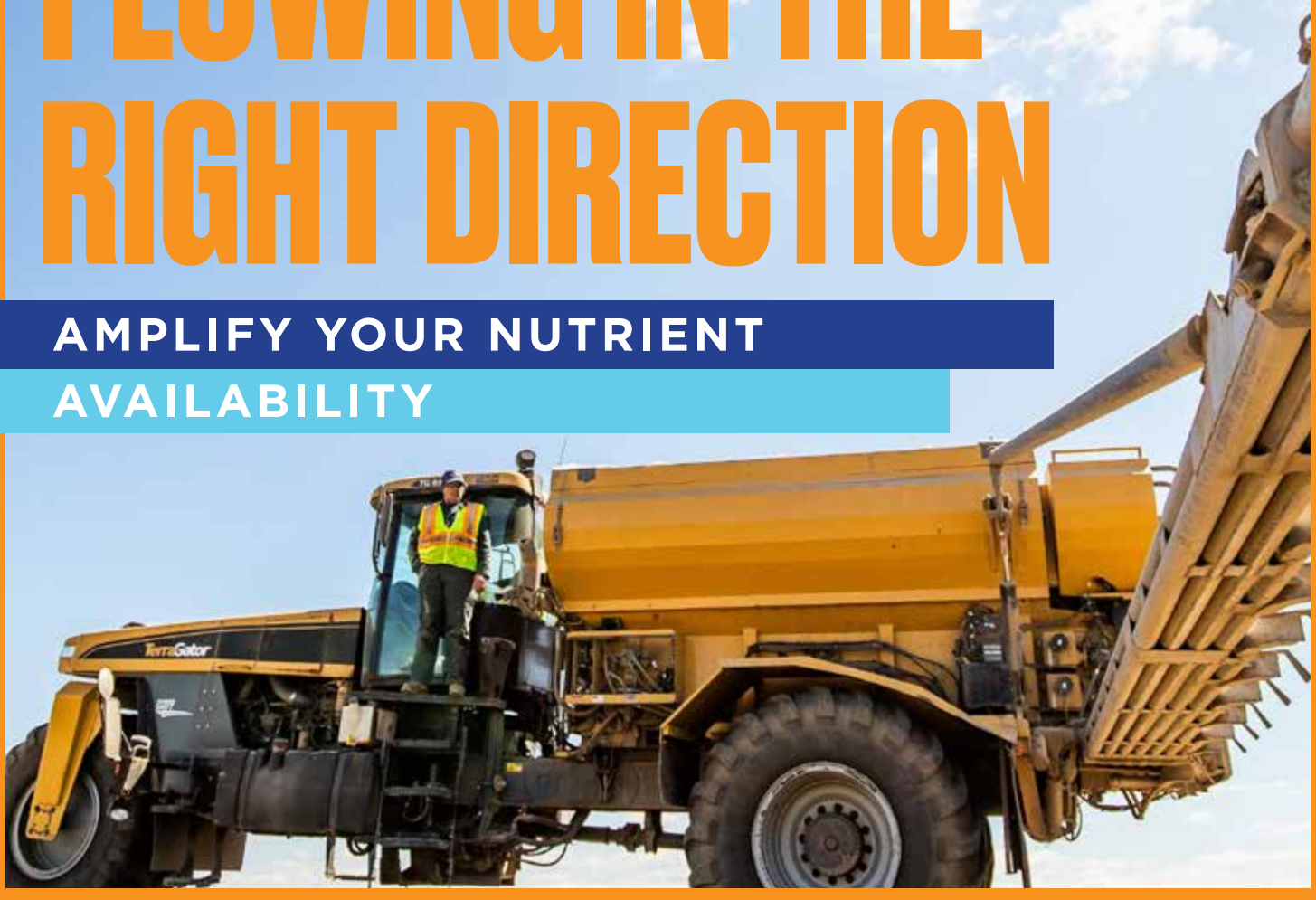
GROWERS' BEST START STARTS HERE.

Our customized seed treatments are custom-made for success.

- Pest Control
- Disease Prevention
- Growth Enhancement
- Seed Aesthetic

GET YOUR PHOSPHORUS FLOWING IN THE RIGHT DIRECTION

AMPLIFY YOUR NUTRIENT AVAILABILITY



TRIVAR®·EZ

Contact your CHS agronomy representative to discover the many benefits of Trivar or **scan the QR code to learn more.**

chsagronomy.com

CHS®

CHS offers a strong portfolio of branded alfalfa and forage sorghum to meet your needs. We carefully select from proven genetics so products excel in the many growing conditions in various geographies, climates and soil types.

In the CHS forage seed portfolio you will find a diverse lineup of products with detailed information on maturity, disease and pest resistance, yields, forage quality, benefits and many other agronomic ratings.

NOTES

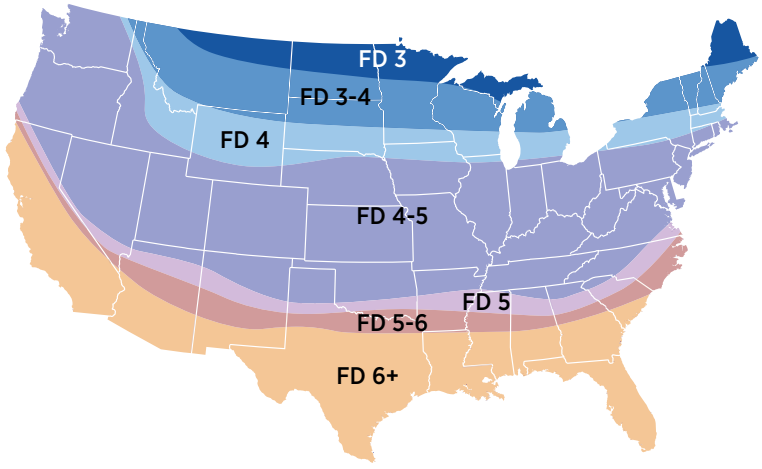
		AGRONOMICS										
	Traits	Fall Dormancy	Winter Hardiness*	Root Type	Salt Tolerance	Yield Potential	Forage Quality	Regrowth Rate	Stand Persistance	Silage	Hay	Grazing
Allegiant Grazer	Conventional/ Traffic Tolerant	2	1.6	T	NR	2	2	3	1	4	2	1
Allegiant Rancher	Conventional	4	2.0	T	NR	3	3	3	3	5	2	4
Allegiant Fighter HT	Conventional/ Salt Tolerant	4	2.0	T/B	G/F	4	3	3	3	4	2	4
Allegiant Supreme	Conventional	4	2.0	T	G	2	2	1	3	2	1	5
438RR	Roundup Ready®	4	2.0	T	G	2	2	1	1	2	1	5
Allegiant Prime 5	Conventional	5	2.0	T	NR	2	2	1	2	2	1	5

KEY
1 - 5 1 being the best

*Winter Hardiness
1 - 6 1 being the best

HR	High Resistance
R	Resistance
MR	Moderate Resistance
LR	Low Resistance
S	Susceptible
NR	Not Rated

T	Tap
B	Branch
G	Germ
F	Forage



Alfalfa Adaptation Zones FD 3 FD 4 FD 5 FD 6+

Alfalfa fall dormancy adaptation zones can vary from the above map, which should be used as a general reference. Local climates and individual variety characteristics affect variety selection.

In general, newer varieties with increased winter hardiness allow growers to plant varieties with a higher fall dormancy rating than in the past.

Table 1

Nutrient Needs	
Potassium (K)	49
Calcium (Ca)	30
Phosphorous (P)	6
Magnesium (Mg)	6
Sulfur (S)	6
Iron (Fe)	0.33
Manganese (Mn)	0.12
Boron (B)	0.08
Zinc (Zn)	0.05
Copper (Cu)	0.01
Molybdenum (Mo)	0.002

Pounds of nutrient removed per ton of dry matter produced, according to the University of Wisconsin.

Seed Coatings

Allegiant seed alfalfa products come with a standard 34% seed coating, which includes inoculant and fungicide, and are also treated with a revolutionary new seed enhancement, AquaBond® with Nutri-Start®, that is both plant and environmentally friendly. This treatment is designed to give your seed every advantage possible including improved water management and seed survivability. This seed treatment combines a long lasting water absorbing polymer and a micronutrient fertilizer package to aid in germination, emergence and promote early root growth. These treatments are then coated on the seed to ensure your investment stays where it should - on the seed.

DISEASE AND PEST RESISTANCE															
Anthracnose Race 1	Anthracnose Race 5	Aphanomyces Race 1	Aphanomyces Race 2	Bacterial Wilt	Fusarium Wilt	Phytophthora	Verticillium Wilt	Pea Aphid	Spotted Alfalfa Aphid	Blue Alfalfa Aphid	Stem Nematode	Northern Root-Knot Nematode	Southern Root-Knot Nematode	Disease Resistance Index	
HR	NR	HR	NR	HR	HR	HR	HR	R	NR	MR	MR	NR	NR	30/30	Allegiant Grazer
R	NR	R	NR	HR	R	HR	HR	R	NR	NR	NR	NR	NR	27/30	Allegiant Rancher
R	NR	R	NR	HR	HR	HR	HR	R	NR	NR	HR	HR	R	28/30	Allegiant Fighter HT
HR	NR	HR	HR	HR	HR	HR	HR	R	R	NR	R	NR	NR	35/35	Allegiant Supreme
HR	NR	HR	HR	HR	HR	HR	HR	HR	NR	NR	R	NR	NR	35/35	438RR
HR	NR	HR	HR	HR	HR	HR	HR	HR	R	NR	R	NR	NR	35/35	Allegiant Prime 5

The Basics of Alfalfa Production and Products

Fertility Requirements

Optimal soil pH for alfalfa is 6.5 to 7.5. Alfalfa planted in a soil pH lower than 6.5 and higher than 7.5 will likely produce less than its potential and be more susceptible to diseases and pests (see Chart 1). Studies have shown alfalfa planted in a soil pH of 5.5 had a 10% survival rate to the second year, while survival rates in a field with a soil pH of 6.5 were close to 40%. Nutritional quality decreases as the soil becomes more acidic or alkaline. For example, tests have shown alfalfa from a 5.6 soil pH had up to 4% lower protein content than the same product in the same field with a pH of 6.5. For every ton of dry matter produced, an alfalfa stand consumes a significant amount of nutrients (see Table 1 on the previous page). Micronutrient applications can greatly increase plant health and yield. Tissue sampling can be the best way to determine what micronutrients are needed.

Number of Harvests

Alfalfa experts have concluded that alfalfa, regardless of variety, has about 20 economical cuts in its lifespan. After 20 cuts, the plant is starting the downhill slide of its life. It may continue to grow for years, but its production significantly declines. If harvest yields are carefully measured, growers will often discover that after 20 cuts, yield has dropped to a point where it is economically advantageous to terminate the field and establish a new field. See Chart 2 for more information.

Predicting Yields

For peak yield, a stand should have about 55 stems per square foot. For every 10 stems less than 55, the stand yields about 1 ton less of dry matter per acre each year. Growers should consider rotating out when stem count falls below 40 per square foot. See Chart 3 for more information.

Doctor Checkup

To measure the health of your stand, dig up roots and cut the crown and taproot in half. If the center of the crown and taproot is bright white/yellow, the plant is healthy and likely has at least two years of good production remaining. If some black crown rot is starting to show in the center of the crown/taproot, the field should be taken out of production after that growing season. If the crown/taproot of plants throughout the field has more than 60% black/brown discoloration, the field is not economical and should be converted to another profitable forage immediately.

Chart 1*
First-cutting Alfalfa Yield Relative to Soil pH

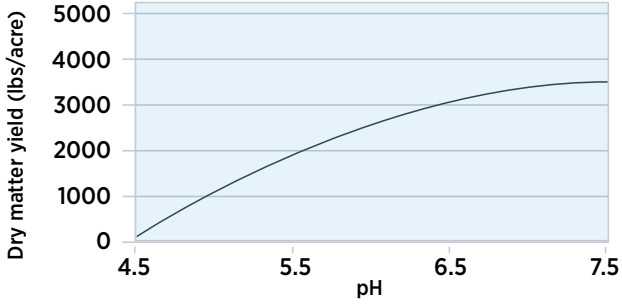


Chart 2
Alfalfa Stand Age and Yield (Fall Dormancy 4)

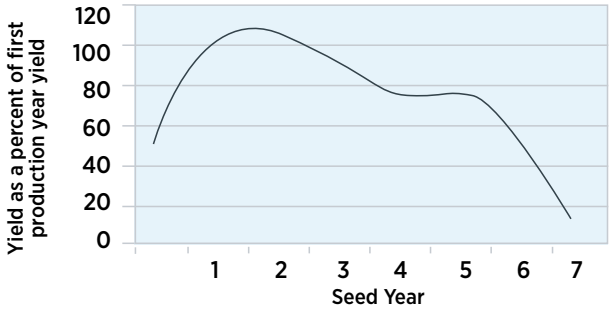
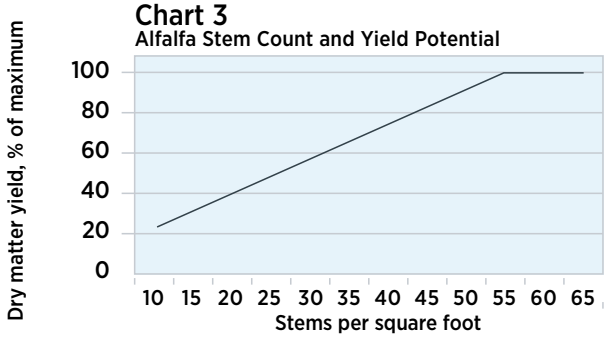


Chart 3
Alfalfa Stem Count and Yield Potential



*Wollenhaupt and Undersender. University of Wisconsin, 1991

Alfalfa

Allegiant Grazer

Fall Dormancy: 2
Disease Resistance Index Score: 30/30
Winter Hardiness: 1.6
Best Use:

Key Highlights
- Recessed crown for excellent grazing and traffic tolerance
- Creeping rhizomes for extended stand longevity
- Very good quality with 50% multifoliate expression

Allegiant Rancher

Fall Dormancy: 4
Disease Resistance Index Score: 27/30
Winter Hardiness: 2.0
Best Use:

Key Highlights
- Economical mix for rangeland, grass mixes or operations with minimal management
- Improved genetics for good yield and persistence
- Suitable for dryland or irrigated operations

Allegiant Fighter HT

Fall Dormancy: 4
Disease Resistance Index Score: 28/30
Winter Hardiness: 2.0
Best Use:

Key Highlights
- Salinity tolerance in germination and forage stages
- Highly resistant to stem and northern root knot nematodes
- Tap and branch root system allows for wide adaptability

Allegiant Supreme

Fall Dormancy: 4
Disease Resistance Index Score: 35/35
Winter Hardiness: 2.0
Best Use:

Key Highlights
- Broad geographic footprint that moves east and west well
- Very fast regrowth for high-management operations

438RR

Fall Dormancy: 4
Disease Resistance Index Score: 35/35
Winter Hardiness: 2.0
Best Use:

Roundup Ready ALFALFA

Key Highlights
- Roundup Ready® trait for improved weed control
- Excellent stand persistance
- High resistance to all primary alfalfa diseases
- Top-yielding Roundup Ready product

Allegiant Prime 5

Fall Dormancy: 5
Disease Resistance Index Score: 35/35
Winter Hardiness: 2.0
Best Use:

Key Highlights
- Excellent yield potential and quality
- Fast regrowth following harvest
- Excellent winter hardiness for FD5 product

Best Use Index: Hay Silage Grazing

The Basics of Forage Sorghum, Sorghum-Sudangrass and Pearl Millet Production and Products

Forage sorghum and sorghum-sudangrass hybrids (often referred to as sorghum-sudan) have been around for a long time, but they have been big, stalky and mediocre forage quality. As a result, beef and dairy cattle feeding on these forages have shown average performance. And for farmers that used sorghum-sudan for hay, the stuff was hard on equipment and hard to dry. The one advantage of these sorghum products has always been their exceptional drought tolerance and big yields. In recent years, major advances have been made on these products. Specifically, the BMR (brown midrib) trait has been developed. The BMR trait has also been introduced to hybrid pearl millet.

These highly-drought tolerant, high-yielding and now high-quality summer annuals (especially the BMR varieties) have many advantages. For example, BMR forage sorghum can show comparable silage yields and forage quality to corn silage, with less nitrogen, less water and lower seed costs. Sorghum-sudan and hybrid pearl millet can provide outstanding forage yields and quality for grazing or hay, even in dry conditions.

Macronutrient Needs

Sorghum-sudan and hybrid pearl millet for grazing and hay

Estimated fertilizer pounds per acre, per growing day

Nitrogen (N) - 1	Phosphorous (P_2O_5) - 1	Potassium (K_2O) – 1.3

Forage sorghum for silage production

Estimated fertilizer pounds per acre, per ton of production

Nitrogen (N) - 5	Phosphorous (P_2O_5) – 2.5-3.75	Potassium (K_2O) – 5.5-6

*Fertilizer requirements for each field can vary significantly.

	Maturity: Days to Mid-Bloom	Maturity: Days to Harvest	Yield Potential*	Drought Tolerance	Forage Quality	Standability	Regrowth	Used for Hay	Used for Grazing	Used for Silage	Seeds/lb
Allegiant PearlPlus Conventional	70-75	40-60	4	2	3	1	1	1	1	5	50,000
Allegiant HighYield BMR Dwarf	65-70	40-65	3	1	1	1	1	3	1	3	17,000
Allegiant HighYield BMR	90-95	40-90	1	1	2	2	1	1	1	3	17,000
Allegiant HighYield Conventional	90-95	40-85	2	1	4	1	2	1	1	3	19,000
Allegiant HighYield BMR PS	Up to 180	40-120	1	1	2	2	1	1	1	3	17,000
Allegiant SiloSorghum Flex Red 51	65-75	110-115	2	2	2	2	5	3	5	1	16,500
Allegiant SiloSorghum BMR Dwarf	90-95	115-120	1	1	1	3	4	5	5	1	17,000
Allegiant SIloSorghum Conventional	85-90	120-125	1	1	4	1	4	3	5	1	16,000

Scale of 1-5, with 1 being the best *** Yield compared to other summer annuals**

Seed Treatment Options	
Base Treated	Fungicide – protects seed from moles and *Pythium* while germinating and emerging. Insecticide – protects seed while still in bag before planting.
SorPro/Concep Treatment	Includes base treatment. Herbicide – protects the seed from Dual or similar type pre-plant herbicides while germinating and emerging, effectiveness lasts approximately 10 days after planting.
Nipsit/Poncho Treatment	Includes base treatment. Insecticide – protects the growing plant from sucking and chewing insects, greenbugs, aphids and other pests for approximately 90 days.

Seeding Rates (lb/acre)				
	Dryland		**Irrigated/Copious Rainfall**	
Product	**Drilled/Rows**	**Broadcast**	**Drilled/Rows**	**Broadcast**
Sorghum-Sudan, Conventional	10-20	15-25	40-50	50
Sorghum-Sudan BMR	10-20	15-20	25-30	30-35
Forage Sorghum	4-8	Not Advised	6-10	Not Advised
Hybrid Pearl Millet	10	10-15	15-20	20-25

Based on 15,000 - 17,000 seeds/lb (except for hybrid pearl millet)

Hybrid Pearl Millet

Allegiant PearlPlus Conventional

Maturity: Early (70-75 days to mid-bloom)
Forage Quality: 3
Yield Potential: 4
Best Use:

Key Highlights
- No threat of prussic acid poisoning
- Highly-resistant to anthracnose & sugarcane aphid
- Thinner stalks allow for quick drydown in dry baled hay operations

Sorghum-Sudangrass

Allegiant HighYield BMR Dwarf

Maturity: Early (65-70 days to mid-bloom)
Forage Quality: 1
Yield Potential: 3
Best Use:

Key Highlights
- Excellent yield potential with quick growth throughout the season for multiple harvests
- Dwarf trait features higher leaf to stem ratio for desireable quality

Allegiant HighYield BMR

Maturity: Late (90-95 days to mid-bloom)
Forage Quality: 2
Yield Potential: 1
Best Use:

Key Highlights
- Product of choice to maximize yield potential and the highest quality
- Maximize yield potential with early planting

Allegiant HighYield Conventional

Maturity: Late (90-95 days to mid-bloom)
Forage Quality: 4
Yield Potential: 2
Best Use:

Key Highlights
- Strong drought tolerance and good yields
- Harvest prior to boot for maximum quality
- Economical product for low-management acre

Allegiant HighYield BMR PS

Maturity: Late (up to 180 days to mid-bloom)
Forage Quality: 2
Yield Potential: 1
Best Use:

Key Highlights
- Photoperiod sensitive hybrid that stays vegetative until daylight falls below 12 hours, 20 minutes
- Maximize yields with early plantings in the south

Best Use Index: Hay Silage Grazing

Forage Sorghum

Allegiant SiloSorghum Flex Red 51

Maturity: Med-Late (65-75 days to mid-bloom)
Forage Quality: 2
Yield Potential: 2
Best Use:

Key Highlights
- Leafy and strong grain yielder, flexible for silage or grain production
- High resistance to sugarcane aphids and other diseases
- Grain (red) maturity is 110-115 days, very drought resistant

Allegiant SiloSorghum BMR Dwarf

Maturity: Late (90-95 days to mid-bloom)
Forage Quality: 1
Yield Potential: 1
Best Use:

Key Highlights
- Excellent silage option in moisture-restricted regions
- Dwarf trait features higher leaf-to-stem ratio for desireable quality

Allegiant SiloSorghum Conventional

Maturity: Late (85-90 days to mid-bloom)
Forage Quality: 4
Yield Potential: 1
Best Use:

Key Highlights
- Great yield and excellent drought tolerance
- Conventional hybrid for longer growing season
- An option for economical, medium-quality silage production

Best Use Index: Hay Silage Grazing

MORE POWER. GREATER YIELD.

Fuel up for a winning season with CHS Lumen®. This advanced liquid starter fertilizer is designed with the right ingredients to help develop strong roots faster and put your yields ahead of the pack.

- Safe low-salt nutrition package
- Patented chelate technology
- Advanced hemicellulase enzyme

CHS LUMEN®

Contact your CHS agronomy representative to discover the many benefits of CHS Lumen or **scan the QR code to learn more.**

CHS®

Think Before You **Bin Run**

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

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

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

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

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

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

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

High Value of New Branded Seed

Latest Technology

// High-yielding soybean technologies

// Better variety options

// Leading seed treatment options

Customer Service

// Dealer agronomic support before and after the sale

// Replant policy support

// Convenient packaging and delivery

Reliable Germination and Quality

// Rigorously tested and meets U.S. Federal Seed Act requirements

// Free of seed-borne diseases

// Properly stored and conditioned

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

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

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

No dicamba may be used in-crop with seed with Roundup Ready® Xtend Technology, unless and until approved or specifically permitted, and no dicamba formulations are currently registered for such use in the 2025 season. Please follow https://www.roundupreadyxtend.com/pages/xtendimax-updates.aspx for status updates. Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs.

Bayer Company 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. This product has 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.

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

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**.

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

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

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Viptera® is a registered trademark of a Syngenta group company. DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, SmartStax® PRO RIB Complete, Trecepta® RIB Complete®, VT Double PRO® , and VT4PRO™ are trademarks of Bayer Group. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. LibertyLink logo® and LibertyLink® are trademarks of BASF Corporation.

Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant seed from that crop. Examples of seed containing a patented trait include but are not limited to 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

Due to the unique cropping practices do not plant Roundup Ready® Alfalfa in Imperial County, California, pending import approvals and until Forage Genetics International, LLC (FGI) grants express permission for such planting.

Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Roundup Ready® Alfalfa has pending import approvals. 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. Growers should refer to http://www.biotradestatus.com/ for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready® is registered trademarks of Bayer Group used under license by Forage Genetics International, LLC.

Seeds containing the PowerCore® Enlist® Refuge Advanced® trait are protected under one or more U.S. patents which can be found at www.traitstewardship.com.

The purchase of this traited seed includes a limited license to produce a single crop in the United States. The use of seed from such a crop and/or the progeny thereof for propagation or seed multiplication or for production or development of a hybrid or different variety of seed is strictly prohibited. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Corteva Agriscience Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements. To plant PowerCore Enlist Refuge Advanced 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 a 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.

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

Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience product 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 new product launches 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. Excellence Through Stewardship® is a registered trademark of Global Stewardship Group.

Following burndown, Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use with Enlist® crops. Consult Enlist® herbicide labels for weed species controlled. Enlist Duo and Enlist One herbicides are not registered for use or sale in all states and counties; are not registered in AK, CA, CT, HI, ID, MA, ME, MT, NH, NV, OR, RI, UT, VT, WA and WY; and have additional subcounty restrictions in AL, GA, TN and TX, while existing county restrictions still remain in FL. All users must check "Bulletins Live! Two" no earlier than six months before using Enlist One or Enlist Duo. To obtain "Bulletins," consult epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa. gov. You must use the "Bulletin" valid for the month and state and county in which Enlist One or Enlist Duo are being applied. Contact your state pesticide regulatory agency if you have questions about the registration status of Enlist® herbicides in your area. 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. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED FOR SUCH USE IN THE STATE OF APPLICATION. USE OF PESTICIDE PRODUCTS, INCLUDING, WITHOUT LIMITATION, 2,4-D-CONTAINING PRODUCTS NOT AUTHORIZED FOR USE WITH ENLIST CORN AND SOYBEANS, MAY RESULT IN OFF-TARGET DAMAGE TO SENSITIVE CROPS/AREAS AND/OR SUSCEPTIBLE PLANTS, IN ADDITION TO CIVIL AND/OR CRIMINAL PENALTIES. Additional product-specific stewardship requirements for Enlist crops, including the Enlist Product Use Guide, can be found at www.traitstewardship.com.

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

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We are Allegiant. This is our pledge to you.