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research of seed
technologies

www.firstseedtests.com



Unbiased, Accurate Yield Testing, Every Time



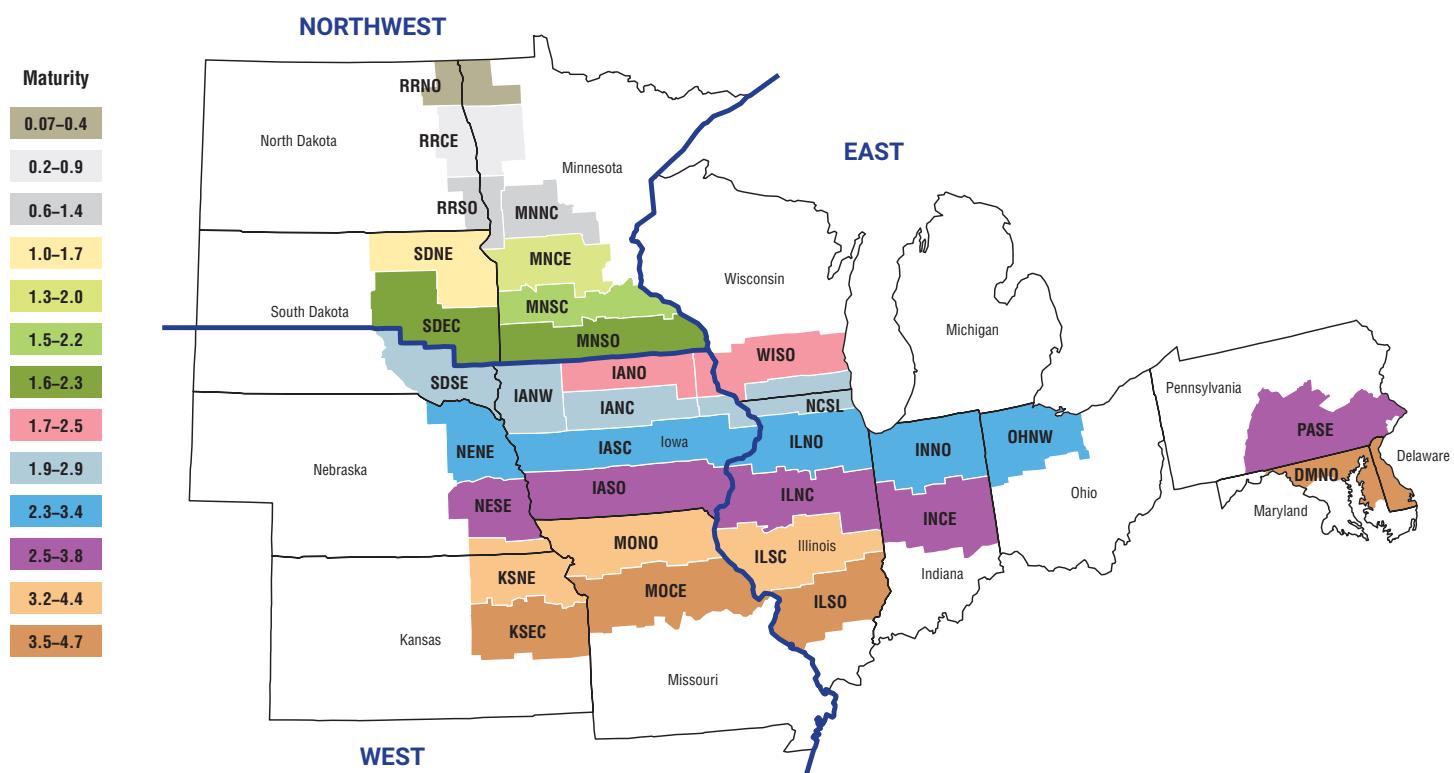
2021 Program Directory

SOYBEAN

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2021 Soybean Testing Regions



FIRST Testing Methodology and Procedures

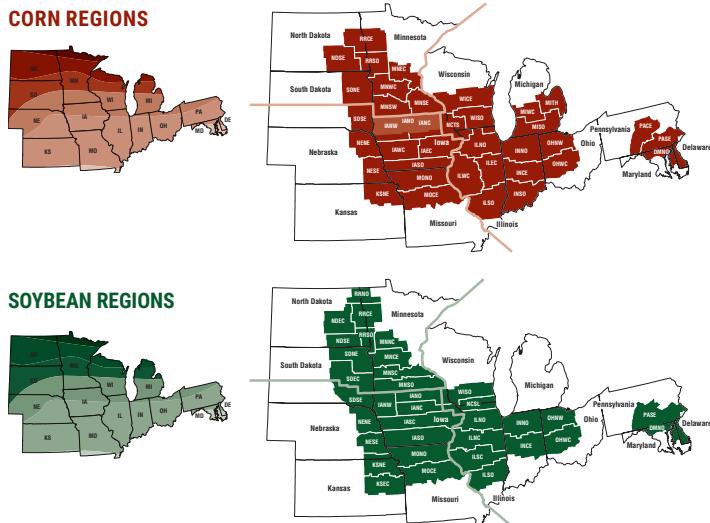
Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin (*Figure 1*).

Figure 1



Testing regions have been established to provide similarity by geography and crop maturity. Seed products within a predefined maturity range (i.e., 106 to 116 RM corn or 0.7 to 1.5 maturity soybeans) are pooled into a single, all-season test or split into early- and full-season tests depending on entry volume. Products are planted at five or six corn test locations or four soybean locations within a region (*Figure 2*).

Figure 2



Test locations are selected to represent the geographic diversity within a region. Ideal sites have uniform, well-drained soils where farmer hosts use standard production practices for the area. Typically, all tests at a location are conducted adjacent to each other to minimize yield variance between tests.

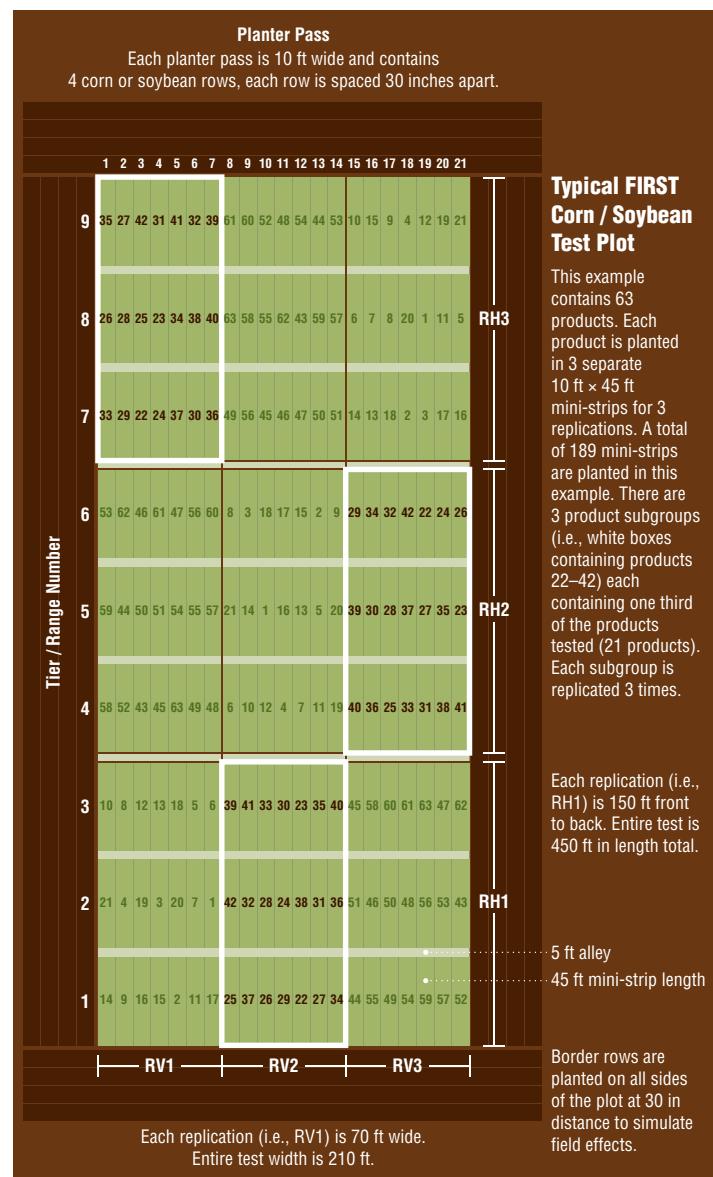
Seed companies and/or seed distributors are invited to submit their most promising seed products within specified test maturity limits to desired test regions. They provide high-quality seed from commercial lots and fees to enter FIRST tests. The only exceptions are check products (CK after product names, i.e. x1234 CK), chosen by FIRST Managers to bridge results between early- and full-season tests, and Grower Comparison products (GC after the product name), often provided by host farmers for their knowledge as test space permits.

Products are replicated three times minimum per test and grouped in sub-blocks arranged in replication blocks from front to back and side to side. This provides more precision in yield measurement and flexibility should a disruptive event (i.e., standing water) require elimination of non-uniform test areas.

FIRST Field Managers package, randomize, and plant seeds into host grower fields using slightly modified commercial planting equipment to facilitate mini strip research. Individual plots (a.k.a. mini-strips) contain four corn rows spaced 30-inches apart, 45 feet in length (*Figure 3*). Soybean is planted in four rows spaced 30-inches apart or seven 15-inch spaced rows. Soil insecticide is typically applied to corn at planting. Seeding rate is based on standard area practices.

FIRST Managers measure yield from the center two corn rows or all soybean rows using customized commercial self-propelled combines. Grain from each plot is electronically weighed and moisture content measured. Soybean grain is sampled from one replicate per test for protein and oil content analysis.

Figure 3



HARVEST REPORTING

In the fall, FIRST publishes publicly-available reports on the yield performance of corn hybrids and soybean varieties in the tests. FIRST *Corn Grain and Soybean Top 30 Harvest Reports* are designed to identify high-yielding products at a single location. These reports are posted to www.firstseedtests.com within three days of harvest (on average) and provide product information, yield and agronomic results.

The *Corn Grain and Soybean Top 30 Region Summary* reports identify products that consistently deliver top performance across a region by averaging product results from all test locations. These corn and soybean regional reports display grain Yield (Bu/A), grain Moisture (%), Lodging (%) and Gross Income (\$/A) as well as Protein (%) and Oil (%) content in soybean only, averaged over all locations, presented alongside individual site yield results. This report is available shortly after the last *Harvest Report* for a region becomes available at www.firstseedtests.com.

In both reports, products are first ranked by Gross Income (\$/A). The 30 highest ranked Gross Income (\$/A) products are sorted by Yield (Bu/A) for public presentation. Nearly all tests include more than 30 products but only the Top 30 products are reported.

PERFORMANCE MEASUREMENTS

Yield (Bu/A) – Harvested grain weight and grain moisture are used to convert yield results to bushels per acre at 15% moisture (base moisture) for corn and 13% moisture for soybean. Grain shrinkage is additionally applied to product yields exceeding the base moisture.

Moisture (%) – A calibrated electronic sensor measures moisture content of harvested grain.

Lodging (%) – Estimated percentage of corn plants leaning more than 45° from vertical at harvest.

Encompasses both stalk and root lodging. Estimated soybean plant leaning (0% = all plants vertical, 100% = all plants flat on the ground).

Gross Income (\$/A) – Harvested crop value in dollars per acre is derived by multiplying crop yield and price per bushel minus drying costs, if any, to reach base moisture. Each Harvest Report and Performance Summary details specific crop price and drying costs.

Gross Income Rank – Gross Income values are sorted from high to low then numbered consecutively (1, 2, 3...) from highest to lowest value. Ties are broken based on higher yield, lower lodging and lower moisture values.

STATISTICS REPORTED

Least Significant Difference (LSD) is provided on all replicated results to facilitate valid product comparisons. Statistically, the LSD value is the minimum difference needed between two products to declare that one product is greater than another. FIRST calculates LSD at the 10% level ($p = 0.10$). Product yield differences equal or greater than the LSD (0.10) value would have been greater one versus the other nine times out of 10 (90% probability). Typically, low LSD values indicate high-quality test results. However, keep in mind that LSD values increase as: test yield level increases, p values decrease [i.e. LSD (0.05) value > LSD (0.10) value > LSD (0.25) value] and as data variability increases. Just because LSD values are higher in some tests vs. others does not mean the results are low quality. Multiple factors have a role in LSD value magnitude.

Coefficient of Variance (CV) measures the average difference between the replications of a test entry, averaged for all the entries in the test, then divided by the average of all observations recorded and expressed as a percentage. Higher values indicate more unexplained variability in proportion to the test average than lower values. Researchers within the seed industry may drop yield data from consideration when CV's are above 15% because the unexplained variance is high or the yield level is low or both. Low yield levels at a test site do not estimate yield potential well, nor are there as many or as great a difference between hybrids and varieties compared to higher yield conditions.

Data Rejected – If a data table has “Data Rejected” stamped across it, we have deemed this data is highly variable and of very poor quality, typically due to weather or uncontrolled factors. Rejection decisions are based on statistical analysis of yield results. Data with very high CV and/or low F-test values (the ratio of variability between entry averages divided by the variability between entry replications) are often rejected.

OTHER INFORMATION

Test Comments – The FIRST manager will provide comments and observations for each test site. This insight on weather patterns, plant health and soil conditions provide context to the data and underscore the challenges and opportunities the test entries were able to overcome or exploit.

Estimated Maturity (corn only) – Product maturity is determined by linear regression comparison of harvest grain moisture and company stated relative maturity (RM). Products with estimated maturity exceeding the test maximum by at least 1 RM are identified in italics. These products may have an unfair yield advantage over peers due to later maturity.

Bold Identified Means – These product means are significantly better than the test average for that measured parameter.

Check Product (CK) – When early- and full-season tests are conducted at a site, an identical check product is planted in both tests. Check yield results allow growers to comparatively view product performance in both early- and full-season tests. No product yield adjustments are made based on check performance.

Grower Comparison (GC) products – These products, identified with a “GC” product name suffix, are often supplied by growers hosting test sites and included when space permits. Grower comparison products allow direct comparison to products in our tests.

United Soybean Board (USB) Products (soybean only) – Products identified with a “g” product name suffix are funded by soybean checkoff dollars. This program strives to gather yield and grain composition results from genetics that otherwise would not be available.



Harvest reports will identify company as shown in **bold**.

‡ Suffix GC = grower comparison, CK = check
§ United Soybean Board (USB) sponsored entry
† See abbreviation descriptions below

Products and Regions in **BOLD** identify hybrids tested in both 2021 & 2020
Regions in **RED** identify products that placed in the regional Top 30 in 2020

2021 Soybeans Entries

Brand [‡]	Mat.Tech. [†]	SCN	STr [†]	Region(s) Tested					
AgriGold AgriGold [AgReliant Genetics, LLC] https://agrigold.com/ 5381 Akin Road, St. Francisville IL 62460 (822) 262-7333									
									
G0801E3 §	0.8 E3	NA	ASfi,SA	RRCE					
G3451E3	3.4 E3	R	ASfi,SA	ILSC	ILSO				
G3490XF	3.4 RXF	R	ASfi,SA	ILSC	ILSO	MONOa			
G3630XF	3.6 RXF	R	ASfi,SA	ILSC	ILSO	MONOa			
G3649E3	3.6 E3	R	ASfi,SA	MOCE	MONOa				
G3724XF	3.7 RXF	R	ASfi,SA	MONOb					
G3755E3	3.7 E3	R	ASfi,SA	ILSC	ILSO	MOCE			
				MONOa					
G3957E3	3.9 E3	R	ASfi,SA	ILSO	MOCE	MONOb			
G4094XF	4.0 RXF	R	ASfi,SA	MONOb					
G4359E3	4.3 E3	R	ASfi,SA	MOCE					
Anderson Anderson Seeds http://www.andersonseedsmn.com 37825 County Rd. 63, St. Peter MN 56082 (507) 246-5032									
									
159RXT	1.5 RRX	MR	Untreated	MNSCa					
217RXT	2.0 RRX	MR	Untreated	MNSCb	MNSOb				
A151E3	1.5 E3	NA	Untreated	MNSCa					
A180E3	1.8 E3	NA	Untreated	MNSCa	MNSOa				
A1821XF	1.8 RXF	NA	Untreated	MNSCa	MNSOa				
A200E3	2.0 E3	NA	Untreated	MNSCb	MNSOb				
A2121XF	2.0 RXF	NA	Untreated	MNSCb	MNSOb				

Brand [‡]	Mat.Tech. [†]	SCN	STr [†]	Region(s) Tested					
Apex Apex [M.S. Technologies, L.L.C.] http://www.mstechseed.com 103 Avenue D, West Point IA 52656 (800) 362-2510									
									
Distributed by:									
Mustang Seeds	Madison, SD 57042, (605) 256-6529								
	https://www.mustangseeds.com/apex/								
ProHarvest Seeds	Ashkum, IL, (815) 698-2204								
	http://www.proharvestseeds.com/								
Rob See Co	1015 N 205th, Elkorn, NE 68022 (855) 450-1822								
	https://www.robsee.co.com/								
Thunder Seed	West Dilworth, MN 56529, (218) 422-9011								
	https://thunderseed.com/								
Federal Hybrids, Inc.	Elgin, IA 52141, (563) 426-5888								
	https://www.federalhybrids.com/products/soybeans/apex/								
Titan Pro SCI	Clear Lake, IA 50428, (641) 357-7283								
	https://www.titanprosci.com/								
AE0611	0.6 E3	R	CMBV,SA	MNNCa	RRCE	RRSoa			
AE0720	0.7 E3	R	CMBV,SA	MNNCa	RRCE	RRSoa			
AE1220	1.2 E3	R	CMBV,SA	MNNCb	RRSOb	SDNea			
AE1410	1.4 E3	R	CMBV,SA	MNCEa	RRSOb				
AE1420	1.4 E3	R	CMBV,SA	MNCEa	MNNCb	RRSOb			
				SDNeb					
AE1520	1.5 E3	R	CMBV,SA	MNCEa	MNNCb	MNSCa			
				SDNeb					
AE1710	1.7 E3	R	CMBV,SA	MNSCa	SDNEb				
AE1720	1.7 E3	R	CMBV,SA	IANOa	MNCEb	MNSCa			
				MNSOa	SDEC	SDNeb			
AE1910	1.9 E3	R	CMBV,SA	MNSOa					
AE1920	1.9 E3	R	CMBV,SA	MNCEb	MNSCb	MNSOa			
				SDEC	WISO				
AE1930	1.9 E3	R	CMBV,SA	MNCEb	MNSOa	SDEC			
				WISO					
AE2020	2.0 E3	R	CMBV,SA	IANOa	IANWa	MNCEb			
				MNSCb	MNSOb	SDEC			
					WISO				
AE2110	2.1 E3	R	CMBV,SA	IANOa	MNSCb	MNSOb			
AE2220	2.2 E3	R	CMBV,SA	IANCa	IANOb	IANWa			
				MNSCb	MNSOb	NCSL			
				SDEC	SDSE	WISO			
AE2420S	2.4 E3,ST	R	CMBV,SA	IANCa	IANOb	IANWa			
				IASCa	ILNO	INNO			
				NCSL	SDSE	WISO			
AE2610	2.6 E3	R	CMBV,SA	IASCa					



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† See abbreviation descriptions below

Products and Regions in **BOLD** identify hybrids tested in both 2021 & 2020
Regions in **RED** identify products that placed in the regional Top 30 in 2020

Brand [‡]	Mat.Tech. [†]	SCN	STr [†]	Region(s) Tested		
AE2800	2.8	E3	R	CMBV,SA	IANCb	
AE2920	2.9	E3	R	CMBV,SA	IANCb ILNC INNO PASE	IASCb ILNO INCE OHNW
AE3220	3.2	E3	R	CMBV,SA	IASCb ILNO OHNW	IASOb INCE INNO PASE
AE3310	3.3	E3	R	CMBV,SA	IAS0b INNO	ILNC OHNW
AE3420	3.4	E3	R	CMBV,SA	IAS0b INCE PASE	ILSC INNO OHNW
AE3520	3.5	E3	R	CMBV,SA	ILNC INCE	ILSC PASE
AE3720S	3.6	E3,ST	R	CMBV,SA	ILNC INCE	ILSC PASE
AE3920	3.9	E3	R	CMBV,SA	ILSC	ILSO
AE4120	4.1	E3	R	CMBV,SA	ILSC	ILSO
Asgrow Asgrow Brand [Bayer CropScience] http://www.agrow.com 800 N. Lindbergh Blvd., St. Louis MO 63167 (314) 694-1000						
AG008X1 §	00.8	RRX	R	ACi	RRNO	
AG02X2 §	0.2	RRX	R	ACi	RRCE	RRNO
AG03X7 §	0.3	RRX	R	ACi	RRCE	RRNO
AG09XF0 §	0.9	RXF	R	ACi,IL	MNNCa	RRCE RRSOa
AG10XF1 §	1.0	RXF	R	ACi,IL	MNNCb	RRSOa SDNEa
AG12XF1 §	1.2	RXF	S	ACi,IL	RRSOb	SDNEa
AG15XF2 §	1.5	RXF	R	ACi,IL	MNCEa SDNEb	MNNCb MNSCa
AG18XF1 §	1.8	RXF	R	Untreated	IANOa MNSOa	MNCEb SDEC
AG20XF1 §	2.0	RXF	R	ACi,IL	MNCEb	
AG21XF0 §	2.1	RXF	R	ACi,IL	IANOa SDEC	MNSCb MNSOb SDSE
AG22XF2 §	2.2	RXF	R	ACi,IL	MNSOb	SDEC WISO
AG24XF1 GC	2.4	RXF	R	ACi,IL	ILNO	NCSL
AG24XF1 §					IANOb	WISO
AG26XF1 GC	2.6	RXF	R	ACi,IL	ILNO	
AG26XF1 §					IANCb SDSE	IANWb NCSL

Brand [‡]	Mat.Tech. [†]	SCN	STr [†]	Region(s) Tested		
AG27XF1 §	2.7	RXF	R	ACi,IL	IANCb NENE	IANWb NCSL
AG27XF2 §	2.7	RXF	R	ACi,IL	IANWb	SDSE
AG28XF2 §	2.8	RXF	R	ACi,IL	INNO	NCSL OHNW
AG29XF2 §	2.9	RXF	R	ACi,IL	IANCb	ILNO
AG30XF2 §	3.0	RXF	R	ACi,IL	IASCb INNO PASE	IAS0a NENE ILNO OHNW
AG31XF2 §	3.1	RXF	R	ACi	IASCb ILNO	IAS0b ILNC INNO
AG32XF2 §	3.2	RXF	R	ACi,IL	IAS0b	NENE
AG33XF2 GC	3.3	RXF	R	ACi,IL	ILNO	
AG34XF2 §	3.4	RXF	R	ACi,IL	INNO	
AG35XF1 §	3.5	RXF	R	ACi	IAS0b ILSO INCE MOCE MONOa	ILNC KSNE PASE NESE
AG36XF0 GC	3.6	RXF,ST	R	ACi,IL	ILNC	
AG36XF1 GC	3.6	RXF	R	Untreated	INCE	
AG37XF1 §	3.7	RXF	R	ACi,IL	KSEC	NESE
AG37XF2 §	3.7	RXF,ST	R	ACi,IL	ILSC	
AG38XF1 §	3.8	RXF	R	ACi,IL	DMNO ILSO	ILSC PASE
AG40XF0 GC	4.0	RXF	R	Untreated	ILSO	
AG40XF1 §	4.0	RXF	R	ACi,IL	DMNO KSNE MOCE	MONOb
AG41XF2 §	4.1	RXF	R	ACi,IL	KSEC MONOb	KSNE MOCE
AG42XF1 GC	4.2	RXF	R	Untreated	ILSO	
AG47XF0 §	4.7	RXF	R	na	DMNO	
Benson Hill Benson Hill https://bensonhill.com/ 1100 Corporate Square Dr, St. Louis MO 63132 (314) 222-8218						
E1958	1.9	CONV	MR	Untreated	IANOa	
E2358	2.3	CONV	MR	Untreated	IANOb	
Brevant Brevant Seeds [Corteva Agriscience] https://brevant.com/ 9330 Zionsville Rd., Indianapolis IN						
B019EE GC	0.1	E3	S	Untreated	RRNO	



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested
B061EE GC	0.6 E3	MR	Untreated	RRSOa
B061EE §				RRCE
B091EE GC	0.9 E3	S	Untreated	RRSOa
B091EE §				RRCE
B119EE §	1.1 E3	R	Untreated	RRSOb
B141EE §	1.4 E3	MR	Untreated	RRSOb
B210EE GC	2.1 E3	R	Lum,Lu,IL	NCSL
B211EE GC	2.1 E3	MR	Lum,Lu,IL	NCSL
B310EE GC	3.1 E3	R	Lum,Lu,IL	ILNO
B320EE GC	3.2 E3	R	Lum,Lu,IL	ILNO

Burrus | Burrus Bros. & Assoc. Growers

<http://www.burrusseed.com>
826 Arenzville Rd., Arenzville IL 62611
(877) 4-BURRUS



3642E	3.6 E3	R	na	MONOa
3859E	3.8 E3	R	Treated	MOCE MONOb
3932E GC	3.9 E3	NA	na	MOCE MOCE

Champion | Champion Seed

<http://www.championseedofiowa.com>
PO Box 157, Ellsworth IA 50075
(888) 417-2004



2612XL GC	2.6 RXF	NA	na	IASCa
3022XL GC	3.0 RXF	NA	na	IASo a

Channel | Channel Brand [Bayer CropScience]

<http://www.channel.com>
800 N. Lindbergh Blvd., St. Louis MO 63167
(800) 768-6387



0622RXF §	0.6 RXF	NA	PV,IL	RRCE	RRSOa
1022RXF CK	1.0 RXF	NA	ACi,IL	RRSOa	RRSOb
2420RXF GC	2.4 RXF	R	ACi,IL	IASCa	
2521RXF GC	2.5 RXF	NA	ACi	IASCa	
2721RXF GC	2.7 RXF	R	Treated	NENE	
2922RXF GC	2.9 RXF	R	ACi,IL	IASCb	INCE
3022RXF GC	3.0 RXF	R	ACi,IL	IASo b	NENE
3122RXF GC	3.1 RXF	R	ACi,IL	NENE	

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested
Chemgro Chemgro Seeds, Inc.				
http://www.chemgro.com				
PO Box 218, E. Petersburg PA 17520				
(800) 346-4769				
C3054E	3.0 E3	R	En	PASE
C3255XF	3.2 RXF	R	Untreated	PASE
C3354E	3.3 E3	NA	En	PASE
C3655E	3.6 E3	R	Untreated	PASE
C3755XF	3.7 RXF	R	Untreated	DMNO PASE
C3855E	3.8 E3	R	Untreated	DMNO
Cornelius Cornelius Seed				
http://www.corneliusseed.com				
14760 317th Ave., Bellevue IA 52031				
(800) 218-1862				
CB20XF71	2.0 RXF	R	PG+	IANOa
CB21X55	2.1 RRX	R	PG+	IANOa
CB22XF02	2.2 RXF	R	PG+	IANOb WISO
CB23XF63	2.3 RXF	R	PG+	IANCa IANOb WISO
CB24XF18	2.4 RXF	R	PG+	IANCa WISO
CB26XF76	2.6 RXF	R	PG+	IANCb IASCa NCSL
CB27X81 GC	2.7 RRX	R	PG+	IANCb
CB27XF34	2.7 RXF	R	PG+	IANCb IASCa NCSL
CB29XF09	2.9 RXF	R	PG+	IANCb IASCb ILNO NCSL
CB31XF42	3.1 RXF	R	PG+	IASCb IASo b ILNO
CB35XF65	3.5 RXF	R	PG+	IASo b ILNC
CB37XF97	3.7 RXF	R	PG+	ILNC
Credenz Credenz [BASF]				
https://agriculture.bASF.us/crop-protection/ products/seeds/credenz.html				
2 T.W. Alexander Drive, Research Triangle Park NC 27709				
(877) 365-4287				
CZ 0419GTLL	0.4 LLGT27	MR	PV,IL,OB	RRCE RRNO
CZ 0661GTLL	0.6 LLGT27	R	PV,IL,OB	MNNCa RRCE RRSOa
CZ 1171GTLL	1.1 LLGT27	MR	PV,IL,OB	MNNCb RRSO b SDNEa
CZ 1331GTLL	1.3 LLGT27	R	PV,IL,OB	MNCEa MNNCb RRSO b SDNEa
CZ 1660GTLL	1.6 LLGT27	MR	PV,IL,OB	MNCEa MNSCa MNSO a SDEC SDNEb
CZ 1859GTLL	1.8 LLGT27	R	PV,IL,OB	SDEC



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CZ 2121GTLL	2.1 LLGT27 MR	PV,IL,OB	IANCa MNSCb SDEC	IANOa MNSOb SDSE	IANWa NCSL WISO
CZ 2360GTLL	2.3 LLGT27 MR	PV,IL,OB	IANOb SDSE	IANWa	SDEC
CZ 2550GTLL	2.5 LLGT27 MR	PV,IL,OB	IANCa IASCa WISO	IANOb NCSL	IANWB SDSE
CZ 2760GTLL	2.7 LLGT27 R	PV,IL,OB	IANCb NENE SDSE	IANWb OHNW	IASCa PASE
CZ 3099GTLL	3.1 LLGT27 R	PV,IL,OB	IASCb PASE	IASOa	OHNW
CZ 3750GTLL	3.7 LLGT27 R	PV,IL,OB	MOCE	MONOa	
CZ 3930GTLL	3.9 LLGT27 R	PV,IL,OB	DMNO	MOCE	MONOb
CZ 4202XF	4.2 RXF	R	PV,IL,OB	DMNO	
CZ 4241GTLL	4.2 LLGT27 NA	PV,IL,OB	DMNO	MOCE	MONOb
CZ 4562XF	4.5 RXF	R	PV,IL,OB	DMNO	
CZ 4701GTLL	4.7 LLGT27 R	PV,IL,OB	DMNO		
CZ 4742XF	4.7 RXF	R	PV,IL,OB	DMNO	KSEC
CZ 4852XF	4.8 RXF	R	PV,IL,OB	KSEC	
CZ 4892XF	4.8 RXF	R	PV,IL,OB	KSEC	
CZ 4912XF	4.9 RXF	R	PV,IL,OB	KSEC	

Croplan Croplan Genetics [WinField United]	https://www.winfieldunited.com/products/winfield-united-seed	 By WINFIELD UNITED			
4001 Lexington Ave. N, Arden Hills MN 55126 (651) 765-5712					
CP2200X CK	2.2 RRX	R			
CP2400X CK	2.4 RRX	R	Untreated	IANOa	IANOb

Dahlman Dahlman Seed Company LLP	http://www.dahlmanseed.com				
73504 200th Street, Dassel MN 55325					
(800) 289-7333					
1102E3N	0.2 E3	R	Treated	RRNO	
1111E3N GC	1.1 E3,ST	R	IS	MNNCb	SDNEa
1117E3N GC	1.7 E3	R	IS	MNCEb	SDNEb
1120E3N CK	2.0 E3	NA	IS	MNSOa	MNSOb
1201E3N	0.1 E3	R	Treated	RRNO	
1215E3N GC	1.5 E3	NA	Untreated	MNSCa	MNSOa
6010XN GC	1.0 RRX	R	IS	SDNEa	
6015XN CK	1.5 RRX	R	IS	MNNCa	MNNCb

Brand [‡]	Mat.Tech. [†] SCN	STrt [†]	Region(s) Tested		
6015XN GC				SDNEb	
6815XN GC	1.5 RRX	R	IS	MNNCb	MNSCa
7218XF CK	1.8 RXF	NA	IS	MNSCa	MNSCb
7220XF GC	2.0 RXF	NA	IS	MNCEb	MNSOb
Dairyland Dairyland Seed Co., Inc. [Corteva Agriscience] http://www.dairylandseed.com PO Box 958, West Bend WI 53095 (800) 236-0163					
 DAIRYLAND SEED					
DSR-0119E	0.2 E3	S	Lum,IL	RRNO	
DSR-0645E	0.4 E3	R	Lum,IL	RRCE	RRNO
DSR-0660E	0.6 E3	R	Lum,IL	MNNCa	RRCE
DSR-0847E	0.8 E3	S	Lum,IL	MNNCa	RRCE
DSR-0920E	0.9 E3	R	Lum,IL	MNNCb	RRSOa
DSR-1010E	1.0 E3	R	Lum,IL	MNNCa	RRCE
DSR-1290E	1.2 E3	R	Lum,IL	MNNCb	RRSOb
DSR-1318E	1.3 E3	R	Lum,IL	MNCEa	MNNCb
				RRSOb	SDNEa
DSR-1450E	1.4 E3	R	Lum,IL	MNCEa	MNNCb
				RRSOb	SDNEb
DSR-1673E	1.6 E3	R	Lum,IL	MNCEa	MNSCa
				MNNCb	MNSOa
DSR-1707E	1.7 E3	R	Lum,IL	MNCEb	MNSCa
				SDNEb	MNSOa
DSR-1820E	1.8 E3	R	Lum,IL	MNCEb	MNSCa
				SDEC	MNSOa
DSR-2030E	1.9 E3	R	Lum,IL	MNCEb	MNNCb
				SDEC	MNSOa
DSR-2040E	2.0 E3	R	Lum,IL	MNCEb	MNSCb
				SDEC	MNSOb
DSR-2112E	2.1 E3	R	Lum,IL	MNNCb	SDEC
				WISO	
DSR-2222E	2.2 E3	R	Lum,IL	MNSCb	MNSOb
				SDEC	
DSR-2424E	2.4 E3	R	Lum,IL	NCSL	WISO
DSR-2555E	2.5 E3	R	Lum,IL	NCSL	WISO
DSR-2590E	2.5 E3	R	Lum,IL	INNO	NCSL
DSR-2640E	2.6 E3	R	Lum,IL	INNO	NCSL
DSR-2844E	2.8 E3	R	Lum,IL	INCE	INNO
DSR-2999E	2.9 E3	R	Lum,IL	INCE	INNO
DSR-3146E	3.1 E3	R	Lum,IL	INCE	INNO
DSR-3177E	3.1 E3	R	Lum,IL	INCE	INNO



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Regions in **RED** identify products that placed in the regional Top 30 in 2020

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested	
DSR-3256E	3.2 E3	R	Lum,IL	INCE	INNO
DSR-3365E	3.3 E3	R	Lum,IL	INCE	INNO
DSR-3587E	3.5 E3	R	Lum,IL	INCE	
DSR-3738E	3.7 E3	R	Lum,IL	INCE	
Donmario Donmario Seeds, Inc. http://www.donmario.com/en/usa/home 454 E 300 N Rd, Gibson City IL 60936 (217) 784-8475					
DM28E52	2.8 E3	NA	CMBV	ILNO	NCSL
DM34E11	3.4 E3	R	CMBV	INCE	
DM34E52	3.4 E3	NA	CMBV	ILNC	ILSC
DM36F62S	3.6 RXF	NA	CMBV	IASOb	ILNC INCE
				NESE	
DM3756E	3.7 E3	R	BPS-SDS	ILNC MOCE	ILSC MONOa
DM37F51	3.7 RXF	NA	BPS-SDS	ILNC MOCE	ILSC MONOa
DM38F42S	3.8 RXF	NA	CMBV	INCE	KSNE NESE
DM3932E	3.9 E3	R	BPS-SDS	ILSO	MOCE MONOb
DM39F62	3.9 RXF	NA	CMBV	ILSC	MONOb
DM40E62	4.0 E3	NA	CMBV	ILSC MOCE	ILSO KSNE MONOb
DM42F62	4.2 RXF	NA	CMBV	ILSO	KSEC MOCE
Dyna-Gro Dyna-Gro Seed [Nutrien Ag Solutions] http://www.dynagroseed.com 3005 Rocky Mountain Ave, Loveland CO 80538 (970) 685-3300					
S009XT68	00.9 RRX	S	EQV,SA	RRNO	
S02EN71	0.2 E3	R	EQV,SA	RRNO	
S04XT91	0.4 RRX	MR	EQV,SA	RRNO	
S05EN82	0.5 E3	R	EQV,SA	RRCE	
S07EN61	0.7 E3	R	EQV,SA	MNNCa	RRCE
S09EN41	0.9 E3	R	EQV,SA	MNNCa	RRSOa
S12EN72	1.2 E3	R	EQV,SA	RRSOb	
S12XF92	1.2 RXF	R	EQV,SA	MNNCb	RRSOb SDNEa
S15XF82	1.5 RXF	MR	EQV,SA	MNCEa	MNNCb SDNEb
S16XF51	1.6 RXF	R	EQV,SA	SDNEb	
S17XF02	1.7 RXF	MR	EQV,SA	MNCEb	MNSCa MNSOa
S18EN52	1.8 E3	MR	EQV,SA	MNCEb	MNSCa MNSOa SDEC
S19EN21	1.9 E3	R	EQV,SA	MNCEb	MNSCb



Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested	
S21EN81	2.1 E3	R	EQV,SA	MNSCb	MNSOb
S21XF61	2.1 RXF	R	EQV,SA	MNSCb	MNSOb
S21XF72	2.1 RXF	R	EQV,SA	MNSOb	SDEC
S24XF12	2.4 RXF	R	EQV,SA	NCSL	SDSE
S25EN41	2.5 E3	R	EQV,SA	SDSE	
S25XF71S	2.5 RXF,ST	R	EQV,SA	NCSL	
S25XF71S GC				ILNO	
S27EN89	2.7 E3	R	EQV,SA	INNO	SDSE
S28EN22	2.8 E3	MR	EQV,SA	ILNO	INNO NCSL
S28XF92S	2.8 RXF,ST	R	EQV,SA	INNO	
S28XF92S GC				ILNC	
S29EN62	2.9 E3	R	EQV,SA	ILNO	INNO
S31EN91	3.1 E3	R	EQV,SA	INNO	
S31XF82	3.1 RXF	R	EQV,SA	ILNO	INNO NENE
S33EN42	3.3 E3	R	EQV,SA	ILNC	INCE
S33XF62	3.3 RXF	R	EQV,SA	ILNC	INNO NENE
S35EN99	3.5 E3	R	EQV,SA	INCE	
S35ES82	3.5 E3	MR	EQV,SA	ILNC	INCE
S35XF72	3.5 RXF	R	EQV,SA	ILNC NESE	INCE MONOa
S36XF12	3.6 RXF	R	EQV,SA	ILSC	INCE
S37ES52	3.7 E3	R	EQV,SA	ILSC MONOa	INCE MOCE
S37XF42	3.7 RXF	MR	EQV,SA	ILSC MOCE	INCE MONOa NESE
S39XF41	3.9 RXF,ST	MR	EQV,SA	KSNE	MONOb NESE
S40XF21S	4.0 RXF,ST	R	EQV,SA	ILSO MONOb	KSNE MOCE
S41EN72	4.1 E3	R	EQV,SA	ILSO	MOCE MONOb
S41ES80	4.1 E3	R	EQV,SA	ILSO	MOCE
S43EN61	4.3 E3	R	EQV,SA	ILSO	MOCE
Ebberts Ebberts Field Seeds, Inc. http://www.ebbertsseeds.com 6840 N. State Rt. 48, Covington OH 45318 (937) 473-2521					
 <i>Proven. Local. Performance.</i>					
282XF	2.8 RXF	R	IS,Ri	INNO	OHNW
312XF	3.1 RXF	R	IS,Ri	INCE	INNO OHNW
352XF	3.4 RXF	R	IS,Ri	INCE	INNO OHNW
372XF	3.7 RXF	R	IS,Ri	INCE	
E2960 E3	2.9 E3	R	IS,Ri	INNO	OHNW



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
E3151 E3	3.1	E3	NA	IS,Ri	INCE	INNO OHNW
E3350 E3	3.3	E3	R	IS,Ri	INCE	INNO OHNW
E3460 E3	3.4	E3	R	IS,Ri	INCE	INNO OHNW
E3560 E3	3.4	E3	R	IS,Ri	INCE	INNO OHNW
E3760 E3	3.6	E3	R	IS,Ri	INCE	

Federal | Federal Hybrids
<http://www.federalhybrids.com>
209 3rd St. NE, West Bend IA 50597
(515) 887-5888



F1709N	1.7	LLGT27	R	MAG	MNSCa	
F1720N	1.7	RXF	R	MAG	MNSCa	
F1909N	1.9	LLGT27	R	MAG	MNCEb	MNSOa
F1920N	1.9	RXF	R	MAG	MNCEb	MNSOa
F2121N	2.1	LLGT27	R	MAG	IANOa	MNSCb
F2210N	2.2	RXF	R	MAG	MNSCb	MNSOb
F2320N	2.3	RXF	R	MAG	MNSOb	
F2520N GC	2.5	RXF	R	MAG	IANWb	

FS HiSOY | FS HiSoy [GROWMARK, Inc.]
<https://www.fssystem.com/Products-Services/Agriculture/FS-Seed/FS-HiSOY>
1701 Towanda Avenue, Bloomington IL 61701
(309) 557-6000



19F10	1.9	RXF	R	ACi,B-200	IANOa	IANWa	WISO
21E00	2.1	E3	R	ACi,B-200	IANOa	IANWa	WISO
21F00	2.1	RXF	R	ACi,B-200	IANCa	IANOa	WISO
23E10	2.3	E3	R	ACi,SA,B-200	IANOb	WISO	
23F10	2.3	RXF	R	ACi,SA,B-200	IANCa	IANOb	IASCa
					NCSL	WISO	
24F00	2.4	RXF	R	ACi,IL	IANOb	IANWa	WISO
25E00	2.5	E3	R	ACi,SA,B-200	IANCa	IANOb	IANWb
					INNO	OHNW	WISO
26F00	2.6	RXF	R	ACi,B-200	IANCb		
27E10	2.7	E3	R	ACi,B-200	IANWb	IASCa	IASOa
					ILNO	INNO	NCSL
27F10	2.7	RXF	R	ACi,B-200	IANCb	IANWb	IASCa
					NCSL	OHNW	
28E10	2.8	E3	R	ACi,B-200	IANCb	IANWb	IASCb
					IASOa	ILNC	ILNO
					INCE	INNO	NCSL
					OHNW		
28F00	2.8	RXF	R	ACi,B-200	NCSL		
29F10	2.9	RXF	R	AC,PV,B-200	IANCb	IASCb	IASOa
					ILNO	INNO	NCSL

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
30F10	3.0	RXF	R	ACi,SA,B-200	IASOa	ILNO
31E10	3.1	E3	R	ACi,SA,B-200	ILNC	INCE
31F10	3.1	RXF	R	ACi,B-200	IASCb	ILNO INCE
					INNO	OHNW
32E00	3.2	E3	R	ACi,SA,B-200	IASOb	ILNO INNO
					OHNW	
32F10	3.2	RXF	R	ACi,B-200	IASCb	ILNC ILNO
					INCE	INNO
33F10	3.3	RXF	R	ACi,B-200	ILNO	OHNW
34E80	3.4	E3	R	ACi,B-200	OHNW	
34F00	3.4	RXF	R	ACi,B-200	ILNC	INNO OHNW
35E10	3.5	E3	R	ACi,B-200	IASOb	ILNC ILSC MONOa
					INCE	
35F10	3.5	RXF	R	ACi,B-200	IASOb	MONOa
36F10	3.6	RXF	R	ACi,B-200	IASOb	ILNC INCE MOCE
					ILNO	
37E10	3.7	E3	R	ACi,B-200	ILNC MOCE	ILSC INCE MONOa
					MONOa	
37F00	3.7	RXF	R	ACi,B-200	MONOa	
38F10	3.8	RXF	R	ACi,B-200	ILNC	ILSC INCE
39E10	3.9	E3	R	Treated	ILSO	MOCE MONOb
39F10	3.9	RXF	R	ACi,B-200	ILSC	ILSO MOCE MONOb
40F10	4.0	RXF	R	ACi,B-200	ILSO	MOCE MONOb
41F00	4.1	RXF	R	ACi,B-200	ILSC	
42E10	4.2	E3,ST	R	Treated	ILSC	ILSO MOCE
					MONOb	
42F10	4.2	RXF	R	ACi,B-200	ILSC	ILSO
43E00	4.3	E3	R	ACi,B-200	ILSO	
44F10	4.4	RXF	R	ACi,B-200	ILSO	MOCE
45E00	4.5	E3	R	ACi,B-200	ILSO	MOCE



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested					
Genesis Genesis Seeds [M.S. Technologies, L.L.C.]									
 Genesis									
http://www.mstechseed.com 103 Avenue D, West Point IA 52656 (800) 362-2510									
Distributed by:									
Ebberts Field Seeds, Inc. Covington, OH 45318 (937) 473-2521 https://www.ebbertsseeds.com/genesisandelist/									
Latham Hi-Tech Seeds Alexander, IA 50420, (641) 692-3258 https://www.lathamseeds.com/									
Proseed, Inc. Harvey, ND 58341 (800) 776-3121 http://www.proseed.net/									
Renk Seed Company Sun Prairie, WI 53590 (608) 837-7351 http://renkseed.com/									
Taylor Seed Farms, Inc. White Cloud, KS 66094 (800) 742-7473 https://taylorseedfarms.com/									
G0651E	0.6	E3	R	CMBV,SA	MNNCa	RRCE	RRSoa		
G0750E	0.7	E3	R	CMBV,SA	RRCE	RRSoa			
G0760E	0.7	E3	R	CMBV,SA	MNNCa	RRCE	RRSoa		
G1260E	1.2	E3	R	CMBV,SA	MNNCb	RRSob	SDNEa		
G1340E	1.3	E3	R	CMBV,SA	MNCEa	SDNEa			
G1460E	1.4	E3	R	CMBV,SA	MNCEa	MNNCb	RRSob		
					SDNEb				
G1560E	1.5	E3	R	CMBV,SA	MNCEa	MNNCb	MNSCa		
					SDNEb				
G1650E	1.6	E3	R	CMBV,SA	MNCEa				
G1680GL	1.6	LLGT27	R	CMBV,SA	MNSCa	MNSa			
G1760E	1.7	E3	R	CMBV,SA	IANOa	MNCEb	MNSCa		
					MNSo a	SDEC	SDNEb		
G1950E	1.9	E3	R	CMBV,SA	MNSCb	MNSa			
G1960E	1.9	E3	R	CMBV,SA	IANOa	IANWa	MNCEb		
					MNSCb	MNSo a	SDEC		
					WISO				
G1970E	1.9	E3	R	CMBV,SA	MNCEb	SDEC	WISO		
G2060E	2.0	E3	R	CMBV,SA	IANOa	IANWa	MNCEb		
					MNSCb	MNSo b	SDEC		
					WISO				
G2150E	2.1	E3	R	CMBV,SA	MNSob				
G2190GL	2.1	LLGT27	R	CMBV,SA	IANOa	MNSob	WISO		
G2260E	2.2	E3	R	CMBV,SA	IANCa	IANOb	IANWa		
					MNSCb	MNSo b	NCSL		
					SDEC	SDSE	WISO		
G2460ES	2.4	E3,ST	R	CMBV,SA	IANCa	IANOb	IANWa		
					IASCa	ILNO	INNO		
					NCNL	OHNW	SDSE		
					WISO				

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested			
G2550E	2.5	E3	R	CMBV,SA	IANCa NCNL	IANOb WISO	
G2960E	2.9	E3	R	CMBV,SA	IANCb ILNC INNO	IASCb ILNO INCE OHNW PASE	
G3260E	3.2	E3	R	CMBV,SA	IASCb ILNO	IASOb INCE OHNW PASE	
G3460E	3.4	E3	R	CMBV,SA	IASOb INCE	ILNC ILSC OHNW PASE	
G3560E	3.5	E3	R	CMBV,SA	ILNC INCE	ILSC ILSO PASE	
G3760ES	3.7	E3,ST	R	CMBV,SA	ILNC INCE	ILSC ILSO PASE	
G3960E	3.9	E3	R	CMBV,SA	ILSC	ILSO KSEC KSNE	
G4160E	4.1	E3	R	CMBV,SA	ILSC	ILSO PASE	
G4350E	4.3	E3	R	CMBV,SA	ILSC	KSNE	
G4360ES	4.3	E3,ST	R	CMBV,SA	KSEC	KSNE	
Gold Country Gold Country Seed [Bayer CropScience]							
 GOLD COUNTRY SEED®							
http://www.goldcountryseed.com 16506 MN-15, Hutchinson MN 55350 (320) 587-1050							
1041XF	1.0	RXF	R	ACI,IL	MNNCb		
1531XF	1.5	RXF	R	ACI,IL	MNSCa	MNSOa	
1609X	1.6	RRX	R	ACI,IL	MNCEa	MNSCa	MNSOa
2250XF	2.2	RXF	R	ACI,IL	MNSCb	MNSO b	
Golden Harvest Golden Harvest Brand [Syngenta]							
 Golden Harvest®							
http://www.goldenharvestseeds.com 2001 Butterfield Road, Downers Grove IL 60515 (800) 944-7333							
GH00833E3 GC	00.8	E3	MR	CMBV,SA	RRNO		
GH00982XF	00.9	RXF	MR	CMBV,SA	RRNO		
GH0145X	0.1	RRX	S	CMBV,SA	RRNO		
GH0272XF §	0.2	RXF	MR	CMBV,SA	RRCE	RRNO	
GH0294E3 GC	0.2	E3	S	CMBV,SA	RRNO		
GH0325E3	0.3	E3	MR	CMBV,SA	RRCE		
GH0325E3 GC					RRNO		
GH0443X	0.4	RRX	MR	CMBV,SA	RRCE	RRNO	
GH0502XF	0.5	RXF	MR	CMBV,SA	RRCE		



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
GH0593E3 GC	0.5	E3	MR	CMBV,SA	RRCE	
GH0749X	0.7	RRX	MR	CMBV,SA	MNNCa	
GH0822XF	0.8	RXF	R	CMBV,SA	RRCE	
GH0822XF §					MNNCa	
GH0842E3	0.8	E3	R	CMBV,SA	MNNCa	RRSOa
GH0842E3 §					RRCE	
GH1032XF	1.0	RXF	R	CMBV,SA	MNNCb	RRSOa
GH1032XF §					SDNea	
GH1442XF	1.4	RXF	MR	CMBV,SA	MNCEa	MNNCb
GH1442XF §					RRSOb	
GH1472E3	1.4	E3	R	CMBV,SA	MNNCb	SDNEb
GH1472E3 §					MNCEa	
GH1762XF	1.7	RXF	MR	CMBV,SA	SDEC	SDNEb
GH1762XF §					MNCEb	MNSCa
GH1802E3	1.8	E3	R	CMBV,SA	IANOa	MNCEb
GH1802E3 §					MNSOa	MNSCa
GH1922E3	1.9	E3	R	CMBV,SA	SDEC	
GH2011E3	2.0	E3	MR	CMBV,SA	SDEC	
GH2102XF	2.1	RXF	MR	CMBV,SA	MNSCb	MNSOb
GH2102XF §					SDEC	NCNL
GH2102XF §					IANCa	IANOa
GH2292E3	2.2	E3	MR	CMBV,SA	IANCa	IANOb
GH2292E3 §					MNSCb	MNSOb
GH2292E3 §					NCNL	SDSE
GH2562XF	2.5	RXF	R	CMBV,SA	IASCa	IASOa
GH2562XF §					IANOb	IANWb
GH2722XF	2.7	RXF	MR	CMBV,SA	ILNO	NCNL
GH2722XF GC					OHNW	NENE
GH2722XF §					SDSE	
GH2818E3	2.8	E3	MR	CMBV,SA	SDSE	
GH2818E3 §					OHNW	
GH2872XF	2.8	RXF	R	CMBV,SA	IANWb	IASOa
GH2872XF GC					IANCb	
GH2872XF §					OHNW	
GH2922E3	2.9	E3	R	CMBV,SA	IANCb	IASCb
GH2922E3 §					NCNL	IASOa
GH3132E3	3.1	E3	R	CMBV,SA	IASCb	OHNW

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested				
GH3132E3 GC				IASOb				
GH3132E3 §				ILNC				
GH3192XF	3.1	RXF	MR	CMBV,SA	IASCb	ILNO		
GH3192XF §					OHNW			
GH3380E3	3.3	E3	NA	Untreated	IASOb			
GH3392E3S	3.3	E3,ST	R	CMBV,SA	OHNW			
GH3442XF	3.4	RXF	MR	CMBV,SA	IASCb	ILSC		
					NESE	MONOa		
GH3512E3S	3.5	E3,ST	MR	CMBV,SA	IASCb	ILNC		
					MONOa	ILSO		
GH3582E3	3.5	E3	R	CMBV,SA	MOCE			
GH3732XF	3.7	RXF	R	CMBV,SA	ILNC	ILSO		
GH3732XF §					MOCE			
GH3762E3S	3.7	E3,ST	MR	CMBV,SA	ILSC	ILSO		
					MONOa			
GH3762E3S §					NESE			
GH3902E3S	3.9	E3,ST	R	CMBV,SA	MOCE			
GH3902E3S §					ILSC	ILSO		
GH3952XF	3.9	RXF	R	CMBV,SA	MOCE	MONOb		
GH3952XF §					ILSC			
GH3982X	3.9	RRX	R	CMBV,SA	KSEC	KSNE		
GH4072E3	4.0	E3	MR	CMBV,SA	ILSO	MONOb		
GH4155E3 §	4.1	E3	MR	CMBV,SA	MOCE			
GH4392XF	4.3	RXF	MR	CMBV,SA	ILSO	KSEC		
GH4392XF §					KSNE			
GH4452XF	4.4	RXF	MR	CMBV,SA	MOCE			
GH4452XFS	4.4	RXF,ST	MR	CMBV,SA	ILSO			
GH4452XFS §					KSEC			
GH4531XS	4.5	RRX,ST	R	CMBV,SA	KSEC			
Great Heart Great Heart Seed								
http://www.greatheartseed.com								
220 W. Washington St., Paris IL 61944								
(877) 243-2071								
								
GT-3016XF	3.0	RXF	R	Gr+	INNO			
GT-3702XF	3.7	RXF	R	Gr+	ILSC	ILSO		
GT-4042XF	4.0	RXF	R	Gr+	ILSC	ILSO		



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Regions in **RED** identify products that placed in the regional Top 30 in 2020

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested
Hefty Hefty Seed Company http://www.heftysseed.com 47504 252nd St., Baltic SD 57003 (866) 769-7200				
H008E1	00.8 E3	R	DST4,SA	RRNO
H009XF2	00.9 RXF	NA	DST4,SA	RRNO
H01X0	0.1 RRX	S	DST4,SA	RRNO
H02E1	0.2 E3	R	DST4,SA	RRCE RRNO
H04X8	0.4 RRX	MR	DST4,SA	RRCE RRNO
H06X8	0.6 RRX	MR	DST4,SA	MNNCa RRCE
H06XF2	0.6 RXF	NA	DST4,SA	MNNCa RRCE RRSOa
H07XF1	0.7 RXF	NA	DST4,SA	MNNCa RRCE RRSOa
H08XF2	0.8 RXF	NA	DST4,SA	MNNCa RRCE RRSOa
H09X1	0.9 RRX	R	DST4,SA	RRCE
H10XF1	1.0 RXF	NA	DST4,SA	RRSOa SDNEa
H11XF2	1.1 RXF	NA	DST4,SA	MNNCb RRSOb SDNEa
H12XF2	1.2 RXF	NA	DST4,SA	MNNCb RRSOb SDNEa
H13XF1	1.3 RXF	NA	DST4,SA	MNCEa MNNCb RRSOb SDNEa
H14XF1	1.4 RXF	NA	DST4,SA	MNCEa MNNCb RRSOb SDNEb
H15XF2	1.5 RXF	NA	DST5	MNCEa MNSCa SDNEb
H16X1	1.6 RRX	R	DST4,SA	MNSOa SDEC
H16XF2	1.6 RXF	NA	DST4,SA	MNCEa MNSCa MNSOa SDEC SDNEb
H17XF1	1.7 RXF	NA	DST4,SA	IANOa MNCEb MNSCa MNSOa SDEC SDNEb
H18XF2	1.8 RXF	NA	DST4,SA	IANOa MNCEb MNSCa MNSOa SDEC
H20X7	2.0 RRX	MR	DST4,SA	MNNCb
H20XF1	2.0 RXF	NA	DST4,SA	IANOa IANWa MNCEb MNSCb MNSOb SDEC
H20XF2	2.0 RXF	NA	DST4,SA	IANWa MNCEb MNSCb MNSOb SDEC
H21XF2	2.1 RXF	NA	DST4,SA	IANCa IANWa MNSCb MNSOb NCSE SDEC SDSE
H23XF1	2.3 RXF	NA	DST4,SA	IANCa IANOb IASCa MNSOb NCSE SDEC SDSE



Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested
H24XF2	2.4 RXF	NA	DST4,SA	IANCa IANOb IANWa IASCa ILNO NCSE
H25X0	2.5 RRX	R	DST4,SA	IANOb SDSE
H25XF1	2.5 RXF	NA	DST4,SA	IANCa IANOb IANWb IASCa ILNO NCSE
H26XF2	2.6 RXF	NA	DST4,SA	IANCb IANWb IASCa ILNO NCSE NENE
H28X8	2.8 RRX	R	DST4,SA	IANWb NCSL SDSE
H28XF1	2.8 RXF	R	DST5	IANCb IANWb NENE
H28XF2	2.8 RXF	NA	DST4,SA	IASCb ILNC ILNO PASE
H29X1	2.9 RRX	R	DST4,SA	IANCb ILNO NCSL
H29XF1	2.9 RXF	NA	HCS	IANCb ILNO NENE
H30XF2	3.0 RXF	NA	DST4,SA	IASCb ILNC ILNO PASE
H31X9	3.1 RRX	R	DST4,SA	ILNC NESE
H31XF2	3.1 RXF	NA	DST4,SA	IASCb ILNC ILNO NESE PASE
H32XF2	3.2 RXF	NA	DST4,SA	ILNC NENE NESE
H33XF2	3.3 RXF	NA	DST4,SA	ILNC NENE NESE
H35XF1	3.5 RXF	NA	DST4,SA	ILNC NESE PASE
H36XF2	3.6 RXF	NA	DST4,SA	ILNC NESE PASE
Hoegemeyer Hoegemeyer Hybrids [Corteva Agriscience] http://www.therightseed.com 1755 Hoegemeyer Rd., Hooper NE 68031 (800) 245-4631				
 HOEGEMEYER THE RIGHT SEED				
2141 E	2.1 E3	R	Lum,Lu,IL	IANCa IANWa SDSE
2240 E	2.2 E3	R	Lum,Lu,IL	IANCa IANWa
2421 E	2.4 E3	R	Lum,Lu,IL	IANCa IANWa IASCa SDSE
2660 E	2.6 E3	R	Lum,Lu,IL	IANCb IANWb IASCa NENE SDSE
2831 E	2.8 E3	R	Lum,Lu,IL	IANCb IANWb IASCb NENE
3141 E	3.1 E3	R	Lum,Lu,IL	IASCb IASOb NENE
3421 SE	3.4 E3,ST	R	Lum,Lu,IL	IASOb MONOa NENE



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
3591 E	3.5 E3	R	Lum,Lu,IL	IASOb	MONOa	NESE
3921 E	3.9 E3	R	Lum,Lu,IL	KSNE	MONOb	
4081 SE	4.0 E3,ST	R	Lum,Lu,IL	KSEC	KSNE	MONOb
4161 E	4.1 E3	R	Lum,Lu,IL	KSEC	KSNE	
4516 SE	4.5 E3,ST	R	Lum,Lu,IL	KSEC	KSNE	
4622 SE	4.6 E3,ST	R	Lum,Lu,IL	KSEC		
Hubner Hubner Seed [Bayer CropScience] http://www.hubnerseed.com 10280 W. State Rd. 28, West Lebanon IN 47991 (800) 328-4428						
H28-50XF	2.8 RXF	R	AC	PASE		
H29-19R2X	2.9 RRX	R	AC	PASE		
H30-42XF	3.0 RXF	R	AC	PASE		
H34-71XF	3.4 RXF	R	AC	PASE		
H35-31XF	3.5 RXF	R	AC	PASE		
H39-31XF	3.9 RXF	R	AC	DMNO		
H42-31XF	4.2 RXF	R	AC	DMNO		
H47-30XF	4.7 RXF	R	AC	DMNO		
H48-31XF	4.8 RXF	R	AC	DMNO		
Innotech Rob See Co https://www.robseeco.com/ PO Box 129, Waterloo NE 68069						
IS0156E3	0.1 E3	S	Fortify	RRNO		
IS0343E3	0.3 E3	MR	Fortify	RRCE	RRNO	
IS0678E3	0.6 E3	MR	Fortify	RRCE	RRSOa	
IS0864E3	0.8 E3	R	Fortify	RRCE	RRSOa	
IS1022E3	1.0 E3	R	Fortify	RRSOa	SDNEa	
IS1283E3	1.2 E3	R	Fortify	RRSOb	SDNEa	
IS1575E3	1.5 E3	R	Fortify	SDNEb		
IS1761E3	1.7 E3	MR	Fortify	MNSCa	SDEC	SDNEb
IS1929E3	1.9 E3	R	Fortify	SDEC		
IS2089E3	2.0 E3	MR	Fortify	MNSCb	SDEC	
IS2342E3	2.3 E3	MR	Fortify	SDEC	SDSE	
IS2545E3	2.5 E3	R	Fortify	SDSE		
IS2748E3	2.7 E3	MR	Fortify	SDSE		

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
Kruger Kruger Seeds [Bayer CropScience] http://www.krugerseed.com PO Box A, Dike IA 50624 (800) 772-2721						
K2084XF	2.0 RXF	R	ACi,IL	IANOa	IANWa	
K2294XF	2.2 RXF	R	ACi,IL	IANCa	IANOb	IANWa
K2391XF	2.3 RXF	R	ACi,IL	IANCa	IANOb	IANWa
K2594XF	2.5 RXF	R	ACi,IL	IANCa	IANOb	IANWb
K2604XF	2.6 RXF	R	ACi,IL	IASCa		
K2793XF	2.7 RXF	R	ACi,IL	IANCb	IANWb	IASCa
K2885XF	2.8 RXF	R	ACi,IL	IANCb	IANWb	IASCb
K2902XF	2.9 RXF	R	ACi,IL	IANCb	IASCb	IASOa
K3003XF	3.0 RXF	R	ACi,IL	IASCb	IASOa	
K3103XF	3.1 RXF	R	ACi,IL	IASCb	IASOb	
K3305XF	3.3 RXF	R	ACi,IL	IASOb		
K3594XF	3.5 RXF	R	ACi,IL	IASOb		
K3603XF	3.6 RXF	R	ACi,IL	IASOb		
Latham Latham Hi-Tech Seeds http://www.lathamseeds.com 131 180th St., Alexander IA 50420 (877) 465-2842						
E2959 E3	2.9 E3	R	SS+,SA	IASCb		
L00839 E3	00.8 E3	R	SS+	RRNO		
L 0124 R2X	0.1 RRX	S	SS+,SA	RRNO		
L 0225 E3	0.2 E3	S	SS+	RRNO		
L0254 XF	0.2 RXF	S	SS+,SA	RRNO		
L 0282 R2X	0.2 RRX	R	SS+	RRNO		
L 0293 E3	0.2 E3	R	SS+	RRCE	RRNO	
L 0425 E3	0.4 E3	S	SS+	RRCE	RRNO	
L 0438 R2X	0.4 RRX	R	SS+	RRCE	RRNO	
L0728 XF	0.7 RXF	R	SS+,SA	MNNCa	RRCE	
L 0739 R2X	0.7 RRX	R	SS+,SA	RRCE		
L 0785 E3	0.7 E3	R	SS+,SA	MNNCa	RRCE	
L0984 XF	0.9 RXF	R	SS+,SA	MNNCa	RRCE	RRSOa
L0995 E3	0.9 E3	R	SS+,SA	MNNCa	RRCE	RRSOa
L 1094 E3	1.0 E3	R	SS+,SA	RRSOa		



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested						
L 1219 E3	1.2	E3	R	SS+,SA	MNNCb	RRSOb	SDNEa			
L 1383 XF	1.3	RXF	R	SS+,SA	MNCEa	MNNCb	RRSOb	SDNEa		
L 1392 E3	1.3	E3	R	SS+	MNNCb	RRSOb				
L 1429 LLGT27	1.4	LLGT27	R	SS+,SA	MNCEa	RRSOb				
L 1482 R2X	1.4	RRX	R	SS+,SA	RRSOb	SDNEb				
L 1558 E3	1.5	E3	R	SS+,SA	MNCEa	MNNCb	MNSCa	SDNEb		
L 1648 LLGT27	1.6	LLGT27	R	SS+	MNCEa	MNSCa	MNSOa	SDNEb		
L 1758 E3	1.7	E3	R	SS+,SA	MNSCa	MNSOa	SDNEb			
L 1769 R2X	1.7	RRX	R	SS+,SA	SDNEb					
L 1784 XF	1.7	RXF	R	SS+,SA	IANOa	MNCEb	MNSCa	MNSOa	SDEC	SDNEb
L 1948 R2X	1.9	RRX	R	SS+,SA	MNCEb					
L 1995 E3	1.9	E3	R	SS+,SA	MNCEb	MNSOa	SDEC			
L 2049 E3	2.0	E3	R	SS+,SA	IANOa	IANWa	MNCEb	MNSCb	MNSOb	SDEC
L 2184 R2X	2.1	RRX	R	SS+,SA	IANOa	MNSCb	SDEC			
L 2193 E3	2.1	E3	R	SS+,SA	IANCa	IANOa	IANWa	MNSCb	MNSOb	SDEC
L 2283 XF	2.2	RXF	R	SS+,SA	MNSCb	SDEC				
L 2295 R2X	2.2	RRX	R	SS+,SA	MNSOb	SDEC				
L 2379 E3	2.3	E3	R	SS+,SA	IANCa	IANOb	IANWa	MNSOb	NCSL	SDEC
L 2458 E3	2.4	E3	R	SS+,SA	IANCa	IANOb	IANWa	IASCa	NCSL	SDSE
L 2494 XF	2.4	RXF	R	SS+,SA	IANOb	IASCa	NCSL	SDSE		
L 2549 R2X	2.5	RRX	R	SS+,SA	IANCa	IANOb	NCSL	SDSE		
L 2638 E3	2.6	E3	R	SS+,SA	IANCb	IASCa	SDSE			
L 2786 XF	2.7	RXF	R	SS+,SA	IANCb	IANWb	IASCa	NCSL	NENE	SDSE
L 2839 LLGT27	2.8	LLGT27	R	SS+,SA	IANWb	IASCb	NCSL	NENE	SDSE	
L 2887 R2X	2.8	RRX	R	SS+,SA	IANCb	IANWb	NCSL	NENE	SDSE	
L 2894 E3	2.8	E3	R	SS+,SA	IANCb	IANWb	NCSL	NENE	IASCb	SDSE
L 3086 XF	3.0	RXF	R	SS+,SA	IASCb	NENE				
L 3329 E3	3.3	E3	R	SS+,SA	NENE					
L 3448 R2X	3.4	RRX	R	SS,SA	NENE					

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
L 3479 E3	3.4	E3	R	SS+,SA	NENE	
Lewis Lewis Hybrids Bayer CropScience						
				http://www.lewishybrids.com		
				530 W. Maple Ave., Ursa IL 62376		
				(217) 964-2131		
3325XF	3.3	RXF	R	ACi	ILSC	MONOa
3417XF	3.4	RXF	R	ACi	ILSC	
3513XF	3.5	RXF	R	ACi	ILSC	KSNE
					MONOa	MOCE
3623XF	3.6	RXF	R	ACi	ILSC	KSNE
					MONOa	MOCE
3713XF	3.7	RXF	R	ACi	ILSC	KSEC
					MONOa	KSNE
3910XF	3.9	RXF	R	ACi	ILSC	KSEC
					MONOa	KSNE
4004XF	4.0	RXF	R	ACi	ILSC	KSEC
					MONOb	MOCE
4211XF	4.2	RXF	R	ACi	KSEC	KSNE
					MONOb	MOCE
4304XF	4.3	RXF	R	ACi	ILSC	MOCE
					MONOb	MONOb
4413XF	4.3	RXF	R	ACi	KSEC	KSNE
					MOCE	MOCE
4424XF	4.4	RXF	R	ACi	KSEC	KSNE
					MOCE	MOCE
4703XF	4.7	RXF	R	ACi	KSEC	
LG Seeds LG Seeds AgReliant Genetics, LLC						
				http://www.lgseeds.com		
				22827 Shissler Rd., Elmwood IL 61529		
				(800) 752-6847		
LG2215XF §	2.2	RXF	R	ACi,SA	WISO	
LG2491XF GC	2.4	RXF,ST	R	ACi,SA	NCSL	
LG2616XF GC	2.6	RXF	R	ACi,SA	NCSL	
LGS1769XF GC	1.7	RXF	R	ASf,SA	MNCEb	MNSCa
LGS2025XF GC	2.0	RXF	R	ACi,SA	MNCEb	MNSCb
LGS2348E3 §	2.3	E3	R	na	IASCa	
LGS2491XF §	2.4	RXF	NA	na	IASCa	
LGS2561XF GC	2.6	RXF	R	ASf,SA	IASCa	
Local Seed Local Seed Company, LLC						
				http://www.localseed.com		
				802 Rozelle St., Memphis TN 38104		
				(901) 260-6000		
IS2748E3	2.7	E3	NA	RP	INNO	OHNW



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
IS3371E3	3.3 E3	NA	RP	INCE PASE	INNO	OHNW
IS3715E3	3.7 E3	NA	RP	DMNO	INCE	PASE
LS2504XFS	2.5 RXF	NA	RP	INNO	OHNW	
LS3019XF	3.0 RXF	NA	RP	INCE PASE	INNO	OHNW
LS3717XF	3.7 RXF	NA	RP	DMNO	INCE	PASE
LS3908XFS	3.9 RXF	NA	RP	DMNO		
LS4415XF	4.4 RXF	NA	RP	DMNO		
LS4517XFS	4.5 RXF	NA	RP	DMNO		
LS4606XFS	4.6 RXF	NA	RP	DMNO		
LS4707XF	4.7 RXF	NA	RP	DMNO		
LS4795XS	4.7 RRX,ST	R	RP	DMNO		

Loyal | Loyal [M.S. Technologies, L.L.C.]

<http://www.mstechseed.com/>
103 Avenue D, West Point IA 52656
(800) 362-2510



Distributed by:

Legacy Seed, Inc. Scandinavia, WI 54977, (866) 791-6390
<https://www.legacyseeds.com/loyal-brand/>

Agri Partners, Inc. Clear Lake, SD 57226, (605) 874-2550
<https://www.agripartnersinc.com/>

Great Heart Seed Company Paris, IL 61944 (217) 465-4132
<https://www.greatheartseed.com/>

L0140E	0.1 E3	S	CMBV,SA	RRNO		
L0640E	0.6 E3	R	CMBV,SA	MNNCa	RRCE	RRSOa
L0740E	0.7 E3	R	CMBV,SA	MNNCa	RRCE	RRSOa
L1230ES	1.2 E3,ST	R	CMBV,SA	MNCEa	MNNCb	RRSOb
L1240E	1.2 E3	R	CMBV,SA	MNNCb	RRSOb	SDNEa
L1440E	1.4 E3	R	CMBV,SA	MNCEa	MNNCb	RRSOb SDNEb
L1540E	1.5 E3	R	CMBV,SA	MNCEa	MNNCb	MNSCa SDNEb
L1740E	1.7 E3	R	CMBV,SA	MNCEb	MNSCa	MNSOa SDEC
L1940E	1.9 E3	R	CMBV,SA	MNCEb	MNSCb	MNSOa SDEC
L1950E	1.9 E3	R	CMBV,SA	MNCEb	MNSOa	SDEC WISO
L2040E	2.0 E3	R	CMBV,SA	MNCEb	MNSCb	MNSOa SDEC
L2130E	2.1 E3	R	CMBV,SA	IANCa	IANOa	MNSCb MNSOb NCSL WISO

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
L2240E	2.2 E3	R	CMBV,SA	MNSCb	MNSOb	NCSL SDEC
L2440ES	2.4 E3,ST	R	CMBV,SA	NCSL	SDSE	WISO
L2530E	2.5 E3	R	CMBV,SA	IANCa	IANOb	NCSL WISO
L3450E	3.4 E3	R	CMBV,SA	ILNC		
L3641ES	3.6 E3,ST	R	CMBV,SA	ILNC	ILSC	
L3940E	3.9 E3	R	CMBV,SA	DMNO	ILSC	ILSO MOCE

Martin | Martin Seed

<https://martinseed.com/>
10280 West SR 28, West Lebanon IN 47991
(765) 893-4429



M33-E3	3.3 E3	MR	EcTC,NFNH	ILNC	INCE
M36-E3	3.6 E3	MR	EcTC,NFNH	ILNC	INCE

Mid-Atlantic | Mid-Atlantic Seeds, Inc.

<http://www.midatlanticseeds.com>
204 St. Charles Way #163E, York PA 17402
(800) 854-6251



MAS2921E3	2.9 E3	NA	PS	PASE	
MAS3021E3	3.0 E3	NA	PS	PASE	
MAS3220E3	3.2 E3	NA	PS	PASE	
MAS3521E3/STS	3.5 E3,ST	NA	PS	PASE	
MAS3600E3/STS	3.6 E3,ST		PS	PASE	
MAS3721E3/STS	3.7 E3,ST	NA	PS	DMNO	PASE
MAS3884GT/LL/STS	3.8 LLGT27	NA	PS	DMNO	PASE
MAS4021E3	4.0 E3	NA	PS	DMNO	
MAS4077GT/STS	4.0 RR,ST	NA	PS	DMNO	
MAS4120E3	4.1 E3	NA	PS	DMNO	
MAS4320E3	4.3 E3	NA	PS	DMNO	
MAS4399GT/STS	4.3 RR,ST	NA	PS	DMNO	
MAS4675E3/STS	4.6 E3,ST	MR	PS	DMNO	

Midland Genetics | Midland Genetics

<https://midlandgenetics.com/>
1906 Kingman Rd, Ottawa KS 66067
(800) 819-7333



3392E3	3.3 E3	R	Edge-SST	MONOa	NESE
3522XF	3.5 RXF	MR	Edge-SST	KSNE	MOCE
3591E3	3.5 E3	MR	Edge-SST	KSNE	MOCE
				NESE	MONOa



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3722XFS	3.7	RXF	MR	Edge-SST	MOCE MONOa
3921XFS	3.9	RXF	R	Edge-SST	KSEC KSNE MOCE MONOb NESE
3999E3	3.9	E3	R	Edge-SST	KSEC KSNE MONOb NESE
4082E3	4.0	E3	R	Edge-SST	KSNE MOCE NESE
4122XFS	4.1	RXF	MR	Edge-SST	MOCE
4221XFS	4.2	RXF	MR	Edge-SST	KSEC KSNE MONOb
4260E3S	4.2	E3,ST	MR	Edge-SST	KSNE MOCE MONOb
4412E3S	4.4	E3,ST	MR	Edge-SST	KSEC
4422XF	4.4	RXF	MR	Edge-SST	KSEC MOCE
4602E3S	4.6	E3,ST	NA	Edge-SST	KSEC
4621XFS	4.6	RXF	MR	Edge-SST	KSEC

Miller Hybrids | Miller Hybrids
<http://www.millerhybrids.com>
 1213 Larch Ave, Kalona IA 52247
 (319) 481-8514



2503-E3 §	2.5	E3	R	na	IASOa
3403-E3 GC	3.4	E3	R	na	IASOb

MorSoy | MorSoy [Distributed Exclusively by
 Meherrin Ag & Chemical Severn NC]
<https://seed.mfa-inc.com/>
 18441 Wesley Church Rd, Bridgeville DE 19933
 (302) 337-0330



MS 4640F GC	4.6	RXF,ST	MR	AVC,C5,Vi	DMNO
MS 4850F GC	4.8	RRX,ST	MR	AVC,C5,Vi	DMNO

Mustang | Mustang Seeds
<http://www.mustangseeds.com>
 1021 SW 10th St., Madison SD 57042
 (800) 952-3234



03X329 GC	0.3	RRX	R	Treated	RRCE
06X628 GC	0.6	RRX	R	Treated	RRCE

NK Brand | NK Brand [Syngenta]
<http://www.nkseeds.com>
 2001 Butterfield Road, Downers Grove IL 60515
 (800) 258-0521



NK009-T1XF §	00.9	RXF	MR	CMBV,SA	RRNO
NK02-M4XF	0.2	RXF	MR	CMBV,SA	RRCE RRNO
NK04-G8E3 §	0.4	E3	R	CMBV,SA	RRCE RRNO
NK05-W3XF	0.5	RXF	R	CMBV,SA	RRCE
NK08-B7XF	0.8	RXF	R	CMBV,SA	MNNCa RRCE RRSOa
NK08-V9E3 §	0.8	E3	R	CMBV,SA	MNNCa RRSOa

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested	
NK10-W8XF	1.0	RXF	R	CMBV,SA	MNNCb
NK10-W8XF §					RRSOa
NK14-C7XF	1.4	RXF	R	CMBV,SA	MNCEa RRSOb SDNEb
NK14-C7XF §					MNNCb
NK14-W6E3	1.4	E3	MR	CMBV,SA	MNCEa MNNCb
NK14-W6E3 §					SDNEb
NK17-M2XF	1.7	RXF	R	CMBV,SA	MNCEb MNSCa MNSOa
NK18-J7E3	1.8	E3	MR	CMBV,SA	SDEC
NK18-J7E3 §					MNCEb MNSCa MNSOa
NK19-C8XF	1.9	RXF	R	CMBV,SA	IANOa IANWa MNCEb MNSCb MNSOa SDEC
NK19-Y5E3	1.9	E3	R	CMBV,SA	MNSOa
NK19-Y5E3 §					SDEC
NK21-H4XF	2.1	RXF	MR	CMBV,SA	IANCa WISO
NK21-H4XF §					IANOa IANWa MNSCb MNSOb SDEC SDSE
NK22-C4E3	2.2	E3	R	CMBV,SA	IANOb IANWa MNSCb MNSOb SDSE WISO
NK22-C4E3 §					IANCa
NK24-G7E3	2.4	E3	R	CMBV,SA	ILNO SDSE
NK24-G7E3 §					WISO
NK25-C9XF	2.5	RXF	MR	CMBV,SA	IANOb IANWb IASCa SDSE
NK25-C9XF §					ILNO NCSL WISO
NK27-A7XF	2.7	RXF	MR	CMBV,SA	IANCb NENE
NK27-A7XF §					IASCa
NK28-T3XF	2.8	RXF	R	CMBV,SA	IASCb NCSL PASE
NK28-T3XF §					NENE
NK29-A5E3	2.9	E3	MR	CMBV,SA	ILNC ILNO INNO
NK29-A5E3 §					IAScb NCSL NENE
NK31-J9XF	3.1	RXF	MR	CMBV,SA	ILNC OHNW
NK31-J9XF §					INNO
NK31-M7E3	3.1	E3	R	CMBV,SA	IASOb ILNC NENE
NK31-M7E3 §					INCE INNO OHNW
NK33-R4E3S	3.3	E3,ST	R	CMBV,SA	OHNW
NK33-R4E3S §					INNO
NK34-G1XF	3.4	RXF	MR	CMBV,SA	IASOb ILSC
NK34-G1XF §					ILNC



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
NK35-J6E3S §	3.5	E3,ST	MR	CMBV,SA	IASOb PASE	INCE NESE
NK37-V4E3S	3.7	E3,ST	MR	CMBV,SA	MOCE	MONOa NESE
NK37-V4E3S §					DMNO INCE	ILSC PASE
NK37-Z9XF	3.7	RXF	R	CMBV,SA	ILSC NESE	KSNE MONOa
NK37-Z9XF §					PASE	
NK39-A1XF	3.9	RXF	R	CMBV,SA	ILSC KSNE	ILSO KSEC
NK39-A1XF §					DMNO	MOCE MONOb
NK39-T5E3S	3.9	E3,ST	R	CMBV,SA	NESE	
NK39-T5E3S GC					KSEC	KSNE
NK39-T5E3S §					DMNO	
NK40-U7E3	4.0	E3	R	CMBV,SA	ILSO	MONOb
NK42-T5XF	4.2	RXF	R	CMBV,SA	MOCE	
NK42-T5XF §					KSEC	KSNE
NK43-V8XF	4.3	RXF	MR	CMBV,SA	DMNO	ILSO KSNE
NK43-V8XF §					KSEC	
NK44-J4XF	4.4	RXF	MR	CMBV,SA	KSEC	
S10-E3	1.0	E3	R	CMBV,SA	SDNEa	
S18-H3X GC	1.8	RRX	R	CMBV,SA	IANOa	
S19-2E3 GC	1.9	E3	R	Untreated	IANOa	IANWa
S20-G7	2.0	CONV	S	Untreated	MNSOCV	
S28-E3	2.8	E3	MR	CMBV,SA	IANCb	
S35-E3	3.5	E3	R	CMBV,SA	IASob	

NuPride Genetics | NuPride Genetics Network

<http://www.necrop.org/SOYBEANS.htm>
P.O Box 830911, Lincoln NE 68583-0911
(402) 472-1444



NGN8261GT GC	2.7	RR	NA	Untreated	KSNE	NESE
NGN9312E3 GC	3.1	E3	R	Untreated	KSEC	KSNE NESE
NGN9373E3 GC	3.7	E3	NA	Untreated	KSEC	KSNE NESE

NuTech | NuTech Seed, LLC [Corteva Agriscience] <http://www.nutechseed.com> 201 Knollwood Dr., Champaign IL 61820 (888) 647-3478



18N02E	1.8	E3	R	Lum,Lu,IL	IANOa	MNSOa
20N04E	2.0	E3	R	Lum,Lu,IL	IANOa	MNSOb

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
21N06E	2.1	E3	R	Lum,Lu,IL	IANCa NCSL	
22N02E	2.2	E3	R	Lum,Lu,IL	IANCa	IANOb NCSL
24N04E	2.4	E3	R	Lum,Lu,IL	IANCa ILNO	IANOb IASCa NCSL
26N06E	2.6	E3	R	Lum,Lu,IL	IANCb ILNO	IASCa NCSL
28N02E	2.8	E3	R	Lum,Lu,IL	IANCb ILNC	IASCb IASCa NCSL
29N02E	2.9	E3	R	Lum,Lu,IL	IANCb ILNC	IASCb ILNO
30N05E	3.0	E3	R	Lum,Lu,IL	IASCb ILNO	IASOa
31N06E	3.1	E3	R	Lum,Lu,IL	IASCb IASob ILNO	ILNC
34N06E	3.4	E3	R	Lum,Lu,IL	IASob MONOa	ILNC ILSC
35N03E	3.5	E3	R	Lum,Lu,IL	IASob ILSO	ILSC MOCE MONOa
37N01E	3.7	E3	R	Lum,Lu,IL	ILNC MOCE	ILSC MONOa
39N04E	3.9	E3	R	Lum,Lu,IL	ILSC MONOb	ILSO MOCE
39N05E	3.9	E3	R	Lum,Lu,IL	ILSC	ILSO MOCE
41N03E	4.1	E3	R	Lum,Lu,IL	ILSC	ILSO MONOb
43N03E	4.3	E3	R	Lum,Lu,IL	ILSO	
43N04E	4.3	E3	R	Lum,Lu,IL	ILSC	MOCE MONOb
45N04E	4.5	E3	R	Lum,Lu,IL	ILSO	MOCE
45N08E	4.5	E3	R	Lum,Lu,IL	ILSO	MOCE

P3 Genetics | P3 Genetics [M.S.

Technologies, L.L.C.]
<http://www.mstechseed.com>
103 Avenue D, West Point IA 52656
(800) 362-2510



Distributed by:

Cornelius Seed Bellevue, IA 52031, (563) 672-3463
<https://www.corneliusseed.com/products/p3-genetics/>

Ohlde Seed Farms Palmer, KS 66962, (785) 692-4555
https://ohldeseed.com/products/soybeans/enlist_soybeans

Peterson Farms Seed, Inc. Hardwood, ND 58042, (701) 282-7476
<https://www.petersonfarmsseed.com/products/soybeans/p3-soybeans/>

1928E	2.8	E3	R	PG+	IANCb	
2126E	2.6	E3	R	PG+	IASCa	NCSL
2136E	3.6	E3	R	PG+	IASob	ILNC



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2218E	1.8	E3	R	PG+	IANOa
2220E	2.0	E3	R	PG+	IANOa
2222E	2.2	E3	R	PG+	IANO ^b WISO
2223E	2.3	E3	R	PG+	IANO ^b NCSL
2229E	2.9	E3	R	PG+	IASCb NCSL
2231E	3.1	E3	R	PG+	IASCb ILNO
2234E	3.4	E3	R	PG+	IASOb ILNC

Partners Brand | Partners Brand [Langdon Brothers Seed]

<http://www.partnersbrandseed.com>
4610 E SR 120, Howe IN 46746
(877) 790-0016



PB 2922 E3 2.9 E3 R Untreated INNO OHNW

PB3419E3 3.4 E3 MR A2020 **INNO**

Pioneer | DuPont Pioneer [Corteva Agriscience]

<http://www.pioneer.com>
PO Box 454, Johnston IA 50131
(800) 247-6803



P09A53X § 0.9 RRX NA Lum,Lu **MNNCa** **SDNEa**

P11A44X § 1.1 RRX R Lum,Lu,IL **MNNCb** **SDNEa**

P15A63X CK 1.5 RRX NA Untreated MNCEa MNCEb

P15A63X § MNNCb MNSCa MNSOa
SDNEb

P16T58E GC 1.6 E3 R Lum,Lu SDNEb

P16T58E § MNCEa

P18A33X § 1.8 RRX NA Lum,Lu MNCEb MNSCa MNSOa

P18A98X § 1.8 RRX R Lum,Lu **IANOa**

P20T64E GC 2.0 E3 R Lum,Lu MNSCb **MNSOb**

P20T64E § MNCEb WISO

P21A28X GC 2.1 RRX R Lum,Lu,IL IANWa

P21A28X § IANCa IANOa **MNSCb**
SDEC

P23A15X GC 2.3 RRX R Lum,Lu MNSOb

P23A15X § SDSE

P24T35E § 2.4 E3 R Lu,G,IL WISO

P25A54X GC 2.5 RRX R Untreated IANCa IANWb

P25T09E § 2.5 E3 R Lu,G,IL IASCa NCSL WISO

P26T23E § 2.6 E3 R Lum,Lu,IL IANCb IANWb NENE

P26T57E § 2.6 E3 R Lum,Lu,IL IANCb IANWb ILNO
NCSL NENE

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
P27A17X §	2.7	RRX	R	Lum,Lu,IL	IANCb	IANWb NENE
P28T14E §	2.8	E3	R	Treated	ILNO OHNW	INNO NCSL
P29T37E CK	2.9	E3	NA	na	IASCa IASOb	IASo a
P30T99E §	3.0	E3	R	na	IASOa ILSC OHNW	ILNC INCE INNO
P31T64E §	3.1	E3	NA	Treated	INNO	OHNW
P33A24X §	3.3	RRX	R	Untreated	PASE	
P34T21SE §	3.4	E3,ST	R	Lu,G,IL	ILNC	ILSC
P35T01SE §	3.5	E3,ST	R	Lu,G,IL	ILNC INCE	ILSO
P36A83X §	3.6	RRX	R	Untreated	PASE	
P37T33E §	3.7	E3	MR	Lum,IL	KSNE	NESE
P38A92X §	3.8	RRX	NA	Untreated	DMNO	
P38T05E §	3.8	E3	R	Lum,IL	ILSO MOCE	INCE MONOa NESE
P38T76E §	3.8	E3	NA	na	KSEC	MOCE MONOa
P39T61SE §	3.9	E3,ST	MR	Lum,IL	NESE	
P41T07E CK	4.1	E3	MR	na	MONOa	MONOb
P41T07E §					MOCE	
P42A96X §	4.2	RRX	MR	Untreated	DMNO	
P42T31E §	4.2	E3	R	Lum,Lu,IL	ILSO	
P44T04SE §	4.4	E3,ST	NA	Lum,IL	KSEC	KSNE
P46T27E §	4.6	E3	NA	Untreated	DMNO	
P47T39SE §	4.7	E3,ST	NA	Lum,IL	KSEC	
Proseed Proseed, Inc.						
http://www.proseed.net 705 E. Brewster, Harvey ND 58341 (800) 776-3121						
PROSEED						
EL11-53N	1.5	E3	R	CMBV	SDNEb	
EL21-23N	1.2	E3	R	CMBV	SDNEa	
EL90-33N	0.3	E3	R	CMBV	RRNO	
EL91-33N	1.3	E3	R	CMBV	SDNEa	
XF10-092N	00.9	RXF	R	CMBV	RRNO	
XT80-20N	0.2	RRX	R	CMBV	RRNO	



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Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested
Proseeds PROSeeds [SEVITA INTERNATIONAL] https://sevita.com/ 11451 Cameron Rd., Inkerman Ontario K0E 1J0 (613) 989-3000				
SKYLINE	1.1	CONV	R	Untreated MNSOCV
REA REA Hybrids [Bayer CropScience] http://www.rea-hybrids.com 4745 6th Ave. SE, Aberdeen SD 57402 (800) 592-1215				
R1042XF	1.0	RXF	NA	ACi,IL SDNea
R1350XF CK	1.3	RXF	NA	ACi,IL SDNea SDNeb
R1532XF	1.5	RXF	NA	ACi,IL SDEC SDNeb
R2140XF	2.1	RXF	NA	ACi,IL SDEC SDSE
R2651XF	2.6	RXF	R	ACi,IL SDSE
Renk Renk Seed Co. http://www.renkleed.com 6809 Wilburn Rd., Sun Prairie WI 53590 (800) BUY-RENK				
RS150NX	1.5	RRX	R	EcTC MNSCa
RS212NXF	2.1	RXF	R	EcTC,SA IANOa MNSCb MNSOb
RS219NX	2.1	RRX	R	EcTC,SA IANOa MNSCb MNSOb
RS242NXF	2.4	RXF	R	EcTC,SA IANCa IANOb IASCa NCNL WISO
RS248NX	2.4	RRX	R	EcTC,SA IANCa IANOb NCSL WISO
RS282NXF	2.8	RXF	R	EcTC,SA IANCb ILNO IASCb ILNC
RS392NXF	3.9	RRX	R	EcTC,SA ILSC KSEC KSNE
Rupp Rupp Seeds, Inc. http://www.ruppsseeds.com 17919 County Rd. B, Wauseon OH 43567 (877) 591-7333				
RS 25EL24	2.5	E3	R	Liftoff Stage 2 OHNW
RS 28EL98	2.8	E3	R	Liftoff Stage 2 OHNW
RS 31EL00	3.1	E3	R	Liftoff Stage 2 OHNW
Sb&B Foods SB & B Foods https://sb-b.com/ PO Box 549, Casselton ND 58012 (701) 347-4900				
SB1270	1.2	CONV	NA	Untreated MNSOCV

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested
SB187	1.0	CONV	NA	Treated MNSOCV
SB19	1.9	CONV	NA	Untreated MNSOCV
Seed Consultants Seed Consultants, Inc. [Corteva Agriscience] http://www.seedconsultants.com 648 Miami Trace Rd. S.W., Washington Court House OH 43160 (800) 708-2676				
SC 7302E	3.0	E3	NA	Lum,IL OHNW PASE
SC 7311E	3.1	E3	NA	Lum,IL OHNW PASE
SC 7322E	3.2	E3	NA	Lum,IL OHNW PASE
SC 7341E	3.4	E3	NA	Lum,IL OHNW PASE
SC 7372E	3.7	E3	NA	Lum,IL DMNO PASE
SC 7381E	3.8	E3	NA	Lum,IL DMNO PASE
SC 7421E	4.2	E3	NA	Lum,IL DMNO
SC 7461E	4.6	E3	NA	Lum,IL DMNO
Seed Genetics Direct Seed Genetics Direct LLC https://www.seedgeneticsdirect.com/ 9983 Jeffersonville-West Lancaster Road, Jeffersonville OH 43128 (740) 505-6545				
AGI0743AE GC	4.3	E3	NA	na DMNO
Seedway Seedway, LLC https://www.seedway.com/ 1734 Railroad Place, Hall NY 14463 (800) 836-3710				
2832XT	2.8	RRX	R	AC PASE
2920E3	2.9	E3	R	AC PASE
3393E3	3.3	E3	MR	AC PASE
3433GTLL	3.4	LLGT27	R	AC PASE
Sevita Grain Millers https://www.grainmillers.com/ 1502 Gault Street, St. Peter MN 56082 (507) 934-0209				
CANDOR	1.0	CONV	NA	Untreated MNSOCV
Southern Harvest Southern Harvest [Distributed Exclusively by Meherrin Ag & Chemical Severn NC] https://www.southernharvestseeds.com/ 18441 Wesley Church Road, Bridgeville DE 19933 (302) 337-3127				
4022	4.0	E3	R	MAX DMNO



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4622	4.6	E3	S	MAX	DMNO			
4820	4.7	E3,ST	S	MAX	DMNO			
Stine Stine Seed Company http://www.stineseed.com 22555 Laredo Trail, Adel IA 50003 (800) 362-2510								
								
003EB62 §	00.3	E3	R	na	RRNO			
03EB02 §	0.3	E3	R	SFI	RRCE	RRNO		
06EC23 §	0.6	E3	R	SFI	RRCE			
08EC02 §	0.8	E3	R	SFI	RRCE			
08GC02 GC	0.8	LLGT27	R	na	RRCE			
09EA02 §	0.9	E3	R	SFI	MNNCa	RRSoa		
11EC02 §	1.1	E3	R	SFI	MNNCb			
12EE63 §	1.2	E3	R	SFI	RRSOb	SDNEa		
14EE01 §	1.4	E3	MR	Treated	MNCEa SDNEb	MNNCb RRSOb		
17EE32 §	1.7	E3	R	SFI	MNCEb SDEC	MNSCa SDNEb		
20EE23 §	2.0	E3	R	SFI	IANWa MNSOb	MNCEb SDEC		
21EE62 §	2.1	E3	R	SFI	IANCa MNSCb	IANOa MNSOb		
					SDSE	WISO		
24EA12 §	2.4	E3	R	SFI	NCSL	OHNW		
24EE32 §	2.4	E3	R	SFI	IANOb INNO WISO	IASCa OHNW SDSE		
25EB32 §	2.5	E3	R	SFI	IANCa IASCa NCSL	IANOb ILNO SDSE		
27EA23 GC	2.7	E3	R	na	INCE			
27EA23 §					NENE			
28EC32 §	2.8	E3	R	SFI	IANCb INCE NENE	IASCb INNO PASE		
31EB02 GC	3.1	E3	R	na	INCE			
32EB02 §	3.2	E3	R	SFI	IASOb NENE	ILNC		
34EA12 GC	3.4	E3	R	na	INCE			
35EE32 §	3.5	E3	R	SFI	IASOb KSNE PASE	ILNC MONOa INCE NESE		

Brand [‡]	Mat.Tech. [†]	SCN	STr [†]	Region(s) Tested				
36EB32 §	3.6 E3	R	SFI	ILNC INCE MONOa	ILSC KSNE PASE	ILSO MOCE		
37EC20 GC	3.7 E3	R	na	INCE				
39EC22 §	3.9 E3	R	SFI	DMNO KSEC NESE	ILSC MOCE	ILSO MONOb		
40EC20 §	4.0 E3	R	SFI	DMNO KSEC MONOb	ILSC KSNE NESE	ILSO MOCE		
42EE20 GC	4.2 E3	R	na	ILSO				
43EE02 GC	4.3 E3	R	na	ILSO				
47EE02 §	4.7 E3	R	SFI	DMNO	KSEC			
Stone Stone Seed [Bayer CropScience] http://www.stoneseed.com 5965 W. State Rd. 97, Pleasant Plains IL 62677 (217) 546-8006				STONE  SEED TM				
2XF2241	2.2 RXF	R	ACi,IL	NCSL				
2XF2541	2.5 RXF	R	ACi,IL	ILNO	NCSL			
2XF3052	3.0 RXF	R	ACi,IL	ILNO				
2XF3352	3.3 RXF	R	ACi,IL	ILNC				
2XF3531	3.5 RXF	R	ACi,IL	ILNC	ILSC			
2XF3632	3.6 RXF	R	ACi,IL	ILSO				
2XF3731	3.7 RXF	R	ACi,IL	ILSC				
2XF4442-SR	4.4 RXF	R	ACi,IL	ILSO				
Thunder Thunder Seed, Inc. http://www.thunderseed.com 806 Center Ave. W, Dilworth MN 56529 (888) 684-8633								
SB8001	0.1 RRX	S	AM	RRNO				
SB8010N	1.0 RRX	R	AM	MNNCb	RRSOa	SDNEa		
SB8015N	1.5 RRX	R	AM	MNCEa	SDNEb			
SB8104N	0.4 RRX	R	AM	RRCE	RRNO			
SB88007N	00.7 RRX	R	AM	RRNO				
SB8807N	0.7 RRX	R	AM	MNNCa	RRCE	RRSOa		
SB8903N	0.3 RRX	R	AM	RRCE	RRNO			
TE7011N	1.1 E3	R	AM	MNNCb	RRSOb	SDNEa		
TE71008N	00.8 E3	R	AM	RRNO				
TE7101N	0.1 E3	R	AM	RRNO				



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TE7207	0.7	E3	S	AM	MNNCa	RRCE
TE7218N	1.8	E3	R	AM	MNCEb	SDEC
TE7221N	2.1	E3	R	AM	SDEC	
TX8109N	0.9	RXF	R	AM	MNNCa	RRCE
TX8117N	1.7	RXF	R	AM	MNCEb	SDEC
TX82008N	00.8	RXF	R	AM	RRNO	
TX8203	0.3	RXF	S	AM	RRNO	
TX8205N	0.5	RXF	R	AM	RRCE	
TX8206N	0.6	RXF	R	AM	RRCE	RRSOa
TX8207N	0.7	RXF	R	AM	MNNCa	RRCE
TX8211N	1.1	RXF	R	AM	MNNCb	RRSOb
TX8215N	1.5	RXF	R	AM	MNCEa	MNNCb
TX8220N	2.0	RXF	R	AM	MNCEb	SDEC

UniSouth Genetics | UniSouth Genetics
<http://www.wimberlyfarmsinc.com>
10605 Old Princess Anne Rd., Princess Anne MD
21853



7451ET GC	4.5	E3	S	Untreated	DMNO	
74B58 GC	4.5	RR,ST	R	Untreated	DMNO	

Viking | Viking [Albert Lea Seed House, Inc.]
<https://www.alseed.com/viking/>
1414 West Main Street, Albert Lea MN 56007
(800) 352-5247



1700N	1.7	CONV	NA	Untreated	MNSOCV	
1940KN	1.9	CONV	R	CMB	IANOa	
2018N	2.0	CONV	MR	CMB	IANOa	
2100N	2.1	CONV	NA	Untreated	MNSOCV	
2155N	2.1	CONV	MR	CMB	IANOa	
2188AT12N	2.4	CONV	MR	Untreated	MNSOCV	
2340KN	2.3	CONV	R	CMB	IANOb	
2418N	2.4	CONV	MR	CMB	IANOb	
0.2244AT	2.2	CONV	MR	Vi,Ti	IANOb	
V1821	1.8	CONV	MR	Untreated	MNSOCV	

Virtue | Virtue Seeds [GDM]
<https://virtueseeds.com/>
454 E 300N Rd, Suite C, Gibson City IL 60936



V1621	1.6	CONV	NA	Treated	MNSOCV	
V1821-A	1.8	CONV	NA	Treated	MNSOCV	

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
Wyckoff Wyckoff Hybrids, Inc.						
				http://www.wyckoffhybrids.com		
				594 E 400 N, Valparaiso IN 46383		
				(219) 462-6716		
W2460E3	2.4	E3,ST	NA	WyK	INNO	
W2860E3	2.8	E3	NA	WyK	INNO	
W2960E3	2.9	E3	NA	WyK	INNO	
W3060E3	3.0	E3	NA	WyK	INNO	
W3160E3	3.1	E3	NA	WyK	INNO	
W3221E3	3.2	E3	R	WyK	INNO	
W3260E3	3.2	E3	NA	WyK	INNO	
W3460E3	3.4	E3,ST	NA	WyK	INNO	
Xitavo Xitavo [M.S. Technologies, L.L.C.]						
				https://www.xitavosoybeanseed.com/		
				103 Avenue D, West Point IA 52656		
				(800) 362-2510		
Distributed by:						
BASF Corporation Research Triangle, NC 27709						
XO 0101E	0.1	E3	MR	PV,IL,OB	RRNO	
XO 0311E	0.3	E3	MR	PV,IL,OB	RRCE	RRNO
XO 0521E	0.5	E3	R	PV,IL,OB	RRCE	
XO 0602E	0.6	E3	R	PV,IL,OB	MNNCa	RRSOa
XO 0731E	0.7	E3	R	PV,IL,OB	MNNCa	RRCE
XO 1041E	1.0	E3	R	PV,IL,OB	MNNCb	RRSOa
XO 1212E	1.2	E3	R	PV,IL,OB	MNNCb	RRSOb
XO 1372E	1.3	E3	R	PV,IL,OB	MNCEa	MNNCb
					SDNEa	RRSOb
XO 1451E	1.4	E3	R	PV,IL,OB	MNCEa	MNNCb
					SDNEb	
XO 1632E	1.6	E3	R	PV,IL,OB	MNCEa	MNSCa
					SDEC	MSOa
XO 1761E	1.7	E3	R	PV,IL,OB	IANOa	MNCEb
					MNSOa	MNSCa
XO 1822E	1.8	E3	R	PV,IL,OB	MNCEb	MNSCa
					SDEC	MSOa
XO 1971E	1.9	E3	R	PV,IL,OB	IANOa	IANWa
					SDEC	
XO 2181E	2.1	E3	R	PV,IL,OB	IANCa	IANOa
					MNSCb	IANWa
					SDEC	NCSL
XO 2282E	2.2	E3	R	PV,IL,OB	MNSOa	NCSL
					SDSE	SDEC
					WISO	



Harvest reports will identify company as shown in **bold**.

‡ Suffix GC = grower comparison, CK = check
§ United Soybean Board (USB) sponsored entry
† See abbreviation descriptions below

Products and Regions in **BOLD** identify hybrids tested in both 2021 & 2020
Regions in **RED** identify products that placed in the regional Top 30 in 2020

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
XO 2472E	2.4	E3	R	PV,IL,OB	IASCa WISO	NCSL SDSE
XO 2501E	2.5	E3	R	PV,IL,OB	IANCa IASCa NCSL	IANOb IASOa SDSE
XO 2832E	2.8	E3	R	PV,IL,OB	IANCb IASOa NENE SDSE	IANWb INNO NCSE OHNW PASE
XO 2921E	2.9	E3	R	PV,IL,OB	IANCb ILNC NENE	IASCb ILNO INNO OHNW PASE
XO 3131E	3.1	E3	R	PV,IL,OB	IASCb ILNO NESE	IASob ILNC INNO NENE OHNW PASE
XO 3341E	3.3	E3	R	PV,IL,OB	IASOb NENE	INCE MONOa NESE PASE
XO 3402E	3.4	E3	R	PV,IL,OB	KSNE NESE	MONOa NENE OHNW
XO 3651E	3.6	E3	R	PV,IL,OB	IASOb ILSO MOCE PASE	ILNC ILSC INCE KSNE MONOa NESE
XO 3752E	3.7	E3,ST	R	PV,IL,OB	MOCE PASE	MONOa NESE
XO 3861E	3.8	E3,ST	R	PV,IL,OB	DMNO INCE MONOb	ILSC ILSO KSNE MOCE PASE
XO 3922E	3.9	E3	R	PV,IL,OB	DMNO MONOb	KSNE MOCE NESE
XO 4132E	4.1	E3	R	PV,IL,OB	DMNO MONOb	KSNE MOCE
XO 4371E	4.3	E3	R	PV,IL,OB	DMNO KSEC MONOb	ILSC ILSO KSNE MOCE
XO 4522E	4.5	E3,ST	R	PV,IL,OB	DMNO	KSEC MOCE
XO 4772E	4.7	E3	R	PV,IL,OB	DMNO	

Zinesto | Zinesto [M.S. Technologies, L.L.C.]

<https://www.zinestoseed.com/>
103 Avenue D, West Point IA 52656
(800) 362-2510



Distributed by:

Hefty Seed Company Baltic, SD 57003, (605) 563-2158

Z0602E	0.6	E3	NA	DST4,SA	MNNCa	RRCE	RRSOa
Z0701E	0.7	E3	R	DST4,SA	MNNCa	RRCE	RRSOa
Z0702E	0.7	E3	NA	DST4,SA	MNNCa	RRCE	RRSOa
Z0801E	0.8	E3	R	DST4,SA	RRCE		

Brand [‡]	Mat.Tech. [†]	SCN	STrt [†]	Region(s) Tested		
Z1001E	1.0	E3	R	DST4,SA	SDNEa	
Z1101E	1.1	E3	R	DST4,SA	MNNCb	RRSOb SDNEa
Z1202E	1.2	E3	NA	DST4,SA	MNNCb	RRSOb SDNEa
Z1302E	1.3	E3	NA	DST4,SA	MNCEa	MNNCb RRSOb SDNEa
Z1411E	1.4	E3	R	DST4,SA	MNCEa	RRSOb SDNEb
Z1502E	1.5	E3	NA	DST4,SA	MNCEa	MNNCb MNSCa SDNEb
Z1601E	1.6	E3	R	DST4,SA	MNCEa	SDEC SDNEb
Z1702E	1.7	E3	NA	DST4,SA	IANOa	MNCEb MNSCa SDNEb
MNSOa					SDEC	
Z1801E	1.8	E3	R	DST4,SA	MNSCa	MNSOa SDEC
Z1802E	1.8	E3	NA	DST4,SA	IANOa	MNCEb MNSCa MNSOa SDEC
Z1902E	1.9	E3	NA	DST5	IANOa	IANWa MNCEb
MNSCb					MNSOa	SDEC
Z2002E	2.0	E3	NA	DST4,SA	IANOa	IANWa MNCEb
MNSCb					MNSOa	SDEC
Z2101E	2.1	E3	R	DST4,SA	IANCa	MNSCb MNSOb SDSE
Z2101G	2.1	LLGT27	R	DST4,SA	NCSL	SDSE
Z2202E	2.2	E3	NA	DST4,SA	IANCa	IANOb IANWa
MNSCb					MNSOa	NCSL SDSE
Z2300E	2.3	E3	R	DST4,SA	IANOb	IASCa SDSE
Z2302E	2.3	E3,ST	NA	DST5	IANCa	IANOb IANWa MNSOb NCSL SDSE
IASCa					MNSOa	
SDEC					SDSE	
Z2401E	2.4	E3	R	DST4,SA	IANCa	IANOb IASCa
ILNO					NCSL	SDSE
Z2700E	2.7	E3	R	DST4,SA	IANCb	IASCa ILNO
NCSL					NENE	SDSE
Z2900E	2.9	E3	R	DST4,SA	IANCb	ILNO NCSL
NENE					PASE	
Z2902E	2.9	E3	NA	DST4,SA	IANCb	IASCb ILNC
ILNO					NCSL NENE	
PASE						
Z3001E	3.0	E3	R	DST4,SA	IASCb	ILNC ILNO
NENE					PASE	
Z3101E	3.1	E3	R	DST4,SA	IASCb	ILNC ILNO
NENE					NESE	PASE
Z3202E	3.2	E3	NA	DST4,SA	IASCb	ILNC ILNO
NENE					NESE	PASE
Z3402E	3.4	E3	NA	DST5	ILNC	NENE NESE
PASE						
Z3602E	3.6	E3	NA	DST4,SA	ILNC	NESE PASE

2021 Soybeans Region Information

State	Region	Manager	Entries per test		Maturity Range per Test		
			Early	Full	Early	Full	
DE	DMNO	Delaware Maryland North	Rob Kauffman	60	--	3.7 - 4.7	--
IA	IANC	Iowa North Central	Corey Rozenboom	48	48	2.1 - 2.5	2.6 - 2.9
IA	IANO	Iowa North	Corey Rozenboom	54	48	1.7 - 2.1	2.2 - 2.5
IA	IANW	Iowa Northwest	Corey Rozenboom	42	36	1.9 - 2.4	2.5 - 2.8
IA	IASC	Iowa South Central	Randy Meinsma	48	48	2.3 - 2.7	2.8 - 3.2
IA	IASO	Iowa South	Randy Meinsma	30	45	2.5 - 3.0	3.1 - 3.6
IL	ILNC	Illinois North Central	Nathan Roux	81	--	2.8 - 3.8	--
IL	ILNO	Illinois North	Jason Beyers	72	--	2.4 - 3.3	--
IL	ILSC	Illinois South Central	Nathan Roux	72	--	3.3 - 4.3	--
IL	ILSO	Illinois South	Klint Tucker	72	--	3.5 - 4.5	--
IN	INCE	Indiana Central	Klint Tucker	72	--	2.8 - 3.8	--
IN	INNO	Indiana North	Matt Turner	72	--	2.4 - 3.4	--
KS	KSEC	Kansas East Central	Adam Stuterville	54	--	3.7 - 4.7	--
KS	KSNE	Kansas Northeast	Adam Stuterville	54	--	3.4 - 4.4	--
MN	MNCE	Minnesota Central	Ed Dahle	42	54	1.3 - 1.6	1.7 - 2.0
MN	MNNC	Minnesota North Central	Ed Dahle	42	54	0.6 - 0.9	1.0 - 1.5
MN	MNSC	Minnesota South Central	Mark Querna	54	54	1.5 - 1.8	1.9 - 2.2
MN	MNSO	Minnesota South Ultra Early	Mark Querna	54	54	1.6 - 1.9	2.0 - 2.3
MN	MNSOCV	Minnesota South Conventional	Mark Querna	12	--	1.4 - 2.3	--
MO	MOCE	Missouri Central	William Schelp	81	--	3.5 - 4.5	--
MO	MONO	Missouri North	William Schelp	45	45	3.2 - 3.7	3.8 - 4.3
IA/IL	NCSL	North Central State Line	Jason Beyers	96	--	2.1 - 2.9	--
NE	NENE	Nebraska Northeast	Corey Rozenboom	54	--	2.6 - 3.4	--
NE	NESE	Nebraska Southeast	Adam Stuterville	54	--	3.1 - 4.0	--
OH	OHNW	Ohio Northwest	Matt Turner	63	--	2.4 - 3.4	--
PA	PASE	Pennsylvania Southeast	Rob Kauffman	78	--	2.8 - 3.8	--
ND/MN	RRCE	Red River Central North	Luke Brendemuhl	72	--	0.2 - 0.9	--
ND/MN	RRNO	Red River North North Dakota	Luke Brendemuhl	54	--	0.07 - 0.4	--
ND/MN	RRSO	Red River South North Dakota	Luke Brendemuhl	45	45	0.6 - 0.9	1.0 - 1.4
SD	SDEC	South Dakota East Central	Mark Tollefson	81	--	1.6 - 2.3	--
SD	SDNE	South Dakota Northeast	Mark Tollefson	42	54	1.0 - 1.3	1.4 - 1.7
SD	SDSE	South Dakota Southeast	Mark Tollefson	63	--	2.1 - 2.8	--
WI	WISO	Wisconsin South	Jason Beyers	63	--	1.8 - 2.5	--

2021 Soybeans Test Site Descriptions

Test Code	Site Location	Host's Name	Following	Tillage	Planted	Rate
Delaware Maryland North [DMNO]						
S2021DMN02	Chestertown, MD	Mason	oat	no-till	6/10	177.0
S2021DMN04	Preston, MD	Schmick	corn/barley	no-till	6/19	177.0
S2021DMN03	Princess Anne, MD	Anderson	corn	conventional w/o fall till	6/16	177.0
S2021DMN01	Westminster, MD	Armagost	corn	no-till	6/8	177.0
Iowa North Central [IANC]						
S2021IANC3	Iowa Falls, IA	Aldinger	corn	conventional w/ fall till	5/12	144.0
S2021IANC1	Laurens, IA	Roewe	corn	conventional w/ fall till	5/6	144.0
S2021IANC2	Moorland, IA	Loehr	corn	conventional w/ fall till	5/12	144.0
S2021IANC4	Waterloo, IA	Farms	corn, rye cover	no-till	5/12	144.0
Iowa North [IANO]						
S2021IAN01	Lu Verne, IA	Plathe	corn	conventional w/ fall till	5/13	144.0
S2021IAN04	New Hampton, IA	Bruening	corn	no-till	5/11	144.0
S2021IAN03	Osage, IA	Hermann	corn	minimum w/o fall till	5/11	144.0
S2021IAN02	Ventura, IA	Renner	corn	strip-till	5/17	144.0
Iowa Northwest [IANW]						
S2021IANW1	Boyden, IA	Vander Veen	corn	conventional w/ fall till	5/17	144.0
S2021IANW3	Galva, IA	Andresen	corn	no-till	5/6	144.0
S2021IANW2	Hartley, IA	Van Beek	corn	no-till	5/18	144.0
S2021IANW4	Hinton, IA	Fischer	corn	conventional w/ fall till	5/13	144.0
Iowa South Central [IASC]						
S2021IASC41	Central City, IA	Greif	corn	no-till	5/12	--
S2021IASC44	Hamlin, IA	Jensen	corn	no-till	5/6	--
S2021IASC42	Nevada, IA	Harrison	corn	minimum w/o fall till	5/13	--
S2021IASC43	Victor, IA	Derycke	corn	no-till	5/12	--
Iowa South [IASO]						
S2021IASO52	Cambria, IA	Allred	corn	conventional w/ fall till	5/15	--
S2021IASO51	Oakland, IA	Bentley	corn	no-till	5/14	--
S2021IASO53	Washington, IA	Vittetoe	corn	no-till	6/2	--
S2021IASO54	Winterset, IA	Erdman	corn	no-till	5/15	--
Illinois North Central [ILNC]						
S2021ILNC16	Dwight, IL	Bunting	corn	no-till	5/14	160.0
S2021ILNC13	Henry, IL	Knapp	corn	minimum w/ fall till	5/13	160.0
S2021ILNC14	Macomb, IL	Lewis	corn	conventional w/ fall till	5/14	160.0
S2021ILNC15	Thomasboro, IL	Burke	corn	conventional w/ fall till	5/13	160.0

Test Code	Site Location	Host's Name	Following	Tillage	Planted	Rate
Illinois North [ILNO]		Manager: Jason Beyers				
S2021ILNO12	Chadwick, IL	Newcomer	corn	minimum w/ fall till	5/7	160.0
S2021ILNO10	Dixon, IL	Wiggins	corn	conventional w/ fall till	5/10	160.0
S2021ILNO11	Malta, IL	Drendel	corn	minimum w/ fall till	5/13	160.0
S2021ILNO9	Seneca, IL	Thorsen	corn	minimum w/o fall till	5/13	160.0
Illinois South Central [ILSC]		Manager: Nathan Roux				
S2021ILSC17	Forsyth, IL	Cullison	corn	conventional w/ fall till	5/13	160.0
S2021ILSC18	Tuscola, IL	Clapper	corn	conventional w/ fall till	5/14	160.0
S2021ILSC19	Virden, IL	Ladage	corn	conventional w/ fall till	5/14	160.0
S2021ILSC20	Williamsville, IL	Constant	corn	conventional w/ fall till	5/14	160.0
Illinois South [ILSO]		Manager: Clint Tucker				
S2021ILSO4	Belleville, IL	Barttelbort	corn	no-till	5/31	140.0
S2021ILSO3	Effingham, IL	Tucker	corn	conventional w/ fall till	5/26	140.0
S2021ILSO2	Flora, IL	Warren	corn	no-till	5/15	135.0
S2021ILSO1	Nashville, IL	Bartling	corn	conventional w/ fall till	5/16	135.0
Indiana Central [INCE]		Manager: Clint Tucker				
S2021INCE3	Greencastle, IN	Hilburn	corn	minimum w/ fall till	5/24	140.0
S2021INCE4	Greensburg, IN	Smiley	corn	strip-till	5/23	140.0
S2021INCE2	Muncie, IN	Nixon	corn	no-till	5/21	140.0
S2021INCE1	Wingate, IN	Stine	corn	no-till	5/24	140.0
Indiana North [INNO]		Manager: Matt Turner				
S2021INNO8	Howe, IN	Larimer	corn	--	5/14	140.0
S2021INNO5	LaFontaine, IN	Smith	corn	--	5/31	140.0
S2021INNO6	Remington, IN	Hathaway	corn	--	5/24	140.0
S2021INNO7	Valparaiso, IN	Goetz	corn	--	5/14	140.0
Kansas East Central [KSEC]		Manager: Adam Stuteville				
S2021KSEC4	Baldwin City, KS	Ulrich	--	--	6/8	145.0
S2021KSEC1	La Cygne, KS	Stainbrook	--	--	6/7	145.0
S2021KSEC2	Louisburg, KS	Stuteville	--	--	6/16	145.0
S2021KSEC3	Stilwell, KS	Betts	--	--	6/16	145.0
Kansas Northeast [KSNE]		Manager: Adam Stuteville				
S2021KSNE8	Du Bois, NE	Farwell	--	--	6/17	145.0
S2021KSNE5	Holton, KS	Royer	--	--	6/18	145.0
S2021KSNE6	Onaga, KS	Greene	--	--	6/18	145.0
S2021KSNE7	Vermillion, KS	Boyle	--	--	6/17	145.0

Test Code	Site Location	Host's Name	Following	Tillage	Planted	Rate
Minnesota Central [MNCE]						
S2021MNCE2	Canby, MN	Citrowski	corn	conventional w/ fall till	5/13	140.0
S2021MNCE1	Lester Prairie, MN	Ide	corn	conventional w/ fall till	5/8	140.0
S2021MNCE4	Loretto, MN	Daluge	corn	conventional w/ fall till	5/16	140.0
S2021MNCE3	Starbuck, MN	Moe	corn	conventional w/ fall till	5/12	140.0
Minnesota North Central [MNNC]						
S2021MNNC4	Albany, MN	Oveman	corn	conventional w/ fall till	5/15	140.0
S2021MNNC3	Foley, MN	Schneider	corn	strip-till	5/10	140.0
S2021MNNC2	Royalton, MN	Kasella	corn	conventional w/o fall till	5/11	140.0
S2021MNNC1	Wendell, MN	Biss	corn	conventional w/ fall till	5/14	140.0
Minnesota South Central [MNSC]						
S2021MNSC7	Madison Lake, MN	Krenik	soybean	--	5/11	140.0
S2021MNSC8	Nerstrand, MN	Schrader	corn	--	5/8	140.0
S2021MNSC5	Wabasso, MN	Plaetz	corn	--	5/7	140.0
S2021MNSC6	Wintrop, MN	Sallstrom	corn	--	5/7	140.0
Minnesota South Ultra Early [MNSO]						
S2021MNSO2	Easton, MN	Martin	corn	--	5/6	140.0
S2021MNSO4	Kasson, MN	Herbst	corn	conventional w/ fall till	5/5	140.0
S2021MNSO1	Lamberton, MN	Iverson	corn	conventional w/ fall till	5/11	140.0
S2021MNSO3	New Richland, MN	Schoenrock	corn	conventional w/ fall till	5/6	140.0
Minnesota South Conventional Specialty [MNSOCV]						
S2021MNSOCV2	Lamberton, MN	Iverson	corn	conventional w/ fall till	5/11	140.0
S2021MNSOCV1	Nerstrand, MN	Schrader	corn	conventional w/ fall till	5/8	140.0
Missouri Central [MOCE]						
S2021MOCE3	Perry, MO	Braungardt	corn	--	6/11	--
S2021MOCE4	Portage Des Sioux, MO	Neustadt	corn	--	6/12	--
S2021MOCE1	Sweet Springs, MO	Strobel	corn	--	6/14	--
S2021MOCE2	Tina, MO	Baker	corn	--	6/8	--
Missouri North [MONO]						
S2021MONO3	Cairo, MO	Samp	corn	--	6/11	--
S2021MONO4	Greentop, MO	Sevits	corn	--	6/9	--
S2021MONO2	Maryville, MO	Thummel	corn	--	6/6	--
S2021MONO1	St. Joseph, MO	Gaskill	corn	--	6/7	--

Test Code	Site Location	Host's Name	Following	Tillage	Planted	Rate
North Central State Line [NCSL]						
S2021NCSL8	Janesville, WI	Tracy	corn	conventional w/ fall till	5/10	160.0
S2021NCSL5	Monroe, WI	Wellnitz	corn	conventional w/ fall till	5/11	160.0
S2021NCSL7	Pearl City, IL	Randecker	soybeans	conventional w/ fall till	5/7	160.0
S2021NCSL6	Winnebago, IL	Swanson	corn	conventional w/ fall till	5/7	160.0
Nebraska Northeast [NENE]						
S2021NENE2	McLean, NE	Koehler	corn	no-till	5/7	151.4
S2021NENE3	Norfolk, NE	Pollack	corn	conventional w/o fall till	5/7	151.4
S2021NENE4	Scribner, NE	Ready	corn	no-till	5/7	151.4
S2021NENE1	Wayne, NE	Meyer	corn	no-till	5/7	151.4
Nebraska Southeast [NESE]						
S2021NESE9	Beatrice, NE	Thimm	--	--	6/2	145.0
S2021NESE11	Douglas, NE	Dozier	--	--	6/2	145.0
S2021NESE10	Tecumseh, NE	Smith	--	--	6/3	145.0
S2021NESE12	Union, NE	Smith	--	--	6/3	145.0
Ohio Northwest [OHNW]						
S2021OHNW1	Archbold, OH	Shininger	corn	--	5/22	140.0
S2021OHNW2	Delphos, OH	Buettner	corn	--	5/22	140.0
S2021OHNW3	McComb, OH	Newcomer	corn	--	5/17	140.0
S2021OHNW4	Tiffin, OH	Steyer	corn	--	5/16	140.0
Pennsylvania Southeast [PASE]						
S2021PASE8	Dunncannon, PA	Ebersole	corn	conventional w/o fall till	6/7	--
S2021PASE6	Martinsburg, PA	Martin	corn	no-till	6/2	177.0
S2021PASE5	Mount Joy, PA	Buckwalter	corn	no-till	6/1	177.0
S2021PASE7	Northumberland, PA	Shoop	corn	no-till	6/5	177.0
Red River Central North Dakota & Minnesota [RRCE]						
S2021RRCE3	Buffalo, ND	Berntson	prevent plant/rye	minimum w/ fall till	5/17	140.0
S2021RRCE4	East Grand Forks, ND	Krueger	wheat	conventional w/ fall till	5/18	140.0
S2021RRCE1	Georgetown, MN	Brendemuhl	wheat	conventional w/ fall till	5/10	140.0
S2021RRCE2	Hope, ND	Hiam	wheat	conventional w/ fall till	5/13	140.0
Red River North North Dakota & Minnesota [RRNO]						
S2021RRNO4	East Grand Forks, MN	Krueger	wheat	conventional w/ fall till	5/18	140.0
S2021RRNO2	Greenbush, MN	Eeg	wheat	conventional w/ fall till	5/11	140.0
S2021RRNO3	Hallock, MN	Klein	wheat	conventional w/ fall till	5/12	140.0
S2021RRNO1	Warren, MN	Kruger	wheat	minimum w/ fall till	5/11	140.0

Test Code	Site Location	Host's Name	Following	Tillage	Planted	Rate
Red River South North Dakota & Minnesota [RRSO]				Manager: Luke Brendemuhl		
S2021RRS01	Kindred, ND	Toppen	wheat	conventional w/ fall till	5/14	140.0
S2021RRS04	Litchville, ND	Formo	wheat	no-till	5/17	140.0
S2021RRS03	Milnor, ND	Hogness	corn	no-till	5/16	140.0
S2021RRS02	Wolverton, MN	Yaggie	corn	conventional w/ fall till	5/16	140.0
South Dakota East Central [SDEC]				Manager: Mark Tollefson		
S2021SDEC6	Arlington, SD	Bjorklund	--	--	5/15	--
S2021SDEC5	Colton, SD	Snoozy	--	--	5/7	--
S2021SDEC7	Dell Rapids, SD	Brown	--	--	5/7	--
S2021SDEC8	Salem, SD	Christensen	--	--	5/4	--
South Dakota Northeast [SDNE]				Manager: Mark Tollefson		
S2021SDNE12	Bath, SD	Sperry	--	--	5/13	--
S2021SDNE10	Mansfield, SD	Fischbach	--	--	5/12	--
S2021SDNE9	Watertown, SD	Keltgen	--	--	5/11	--
S2021SDNE11	Webster, SD	Zenk	--	--	5/13	--
South Dakota Southeast [SDSE]				Manager: Mark Tollefson		
S2021SDSE2	Beresford, SD	Frick	--	--	5/16	--
S2021SDSE3	Burbank, SD	Hall	--	--	5/16	--
S2021SDSE4	Irene, SD	Mellum	--	--	5/15	--
S2021SDSE1	Salem, SD	Christensen	--	--	5/5	--
Wisconsin South [WISO]				Manager: Jason Beyers		
S2021WISO1	Arlington, WI	Stibbs	corn	no-till	5/10	160.0
S2021WISO2	Oregon, WI	Klahn	corn	minimum w/ fall till	5/10	160.0
S2021WISO3	Postville, IA	Griffin	rye	no-till	5/12	160.0
S2021WISO4	Watertown, WI	Weichmann	corn	no-till	5/10	160.0



FIRST Team Members

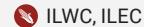


NATHAN ROUX

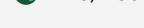
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ILNC, ILSC



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MOCE, MONO



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KSNE, NESE



KSEC, KSNE, NESE

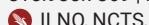


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ILNO, NCTS, WICE, WISO



ILNO, NCSL, WISO



LUKE BRENDEMUHL

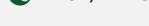
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RRCE, RRNO, RRSO



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MNWC, MNEC



MNNC, MNCE

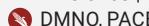


ROB KAUFFMAN

Field Manager

Mid Atlantic Independent Technology Service

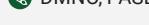
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717.413.0763 | rkmaits@aol.com



DMNO, PACE, PASE



PACE, PASE



DMNO, PASE

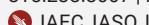


RANDY MEINSMA

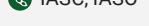
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IAEC, IASO, IAWC



IASC, IASO



KEVIN COEY

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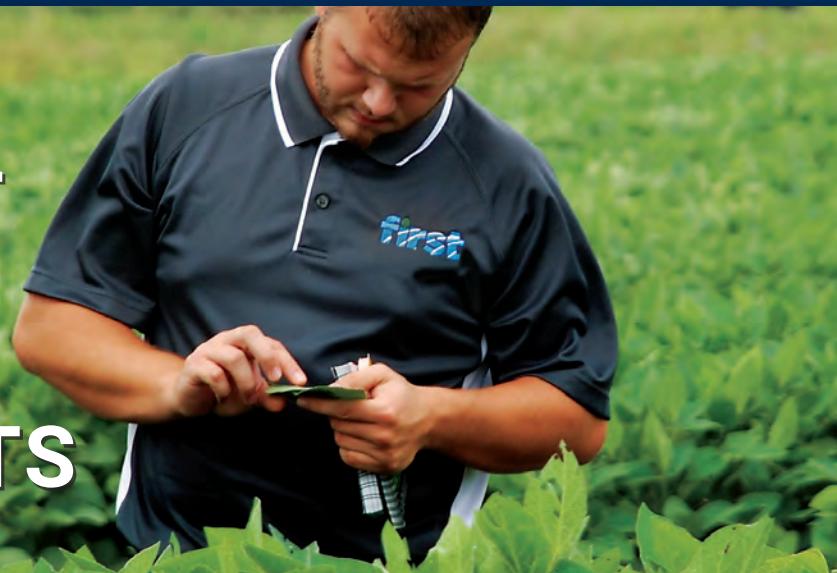


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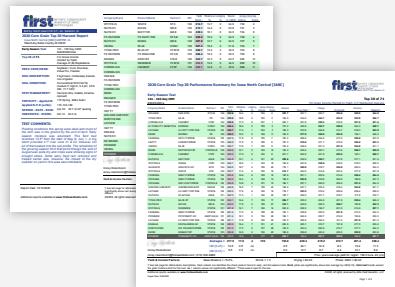
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FIND THE BEST SEED PRODUCTS for your farm. All editions are available at www.firstseedtests.com/national-summary-reports/



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