



www.firstseedtests.com

Unbiased, Accurate Yield Testing, Every Time



A photograph of a lush green soybean field with a dark, narrow path or row of plants running diagonally across the center. The field is filled with dense, rounded green leaves of the soybean plants.

2020
Program Directory
SOYBEAN

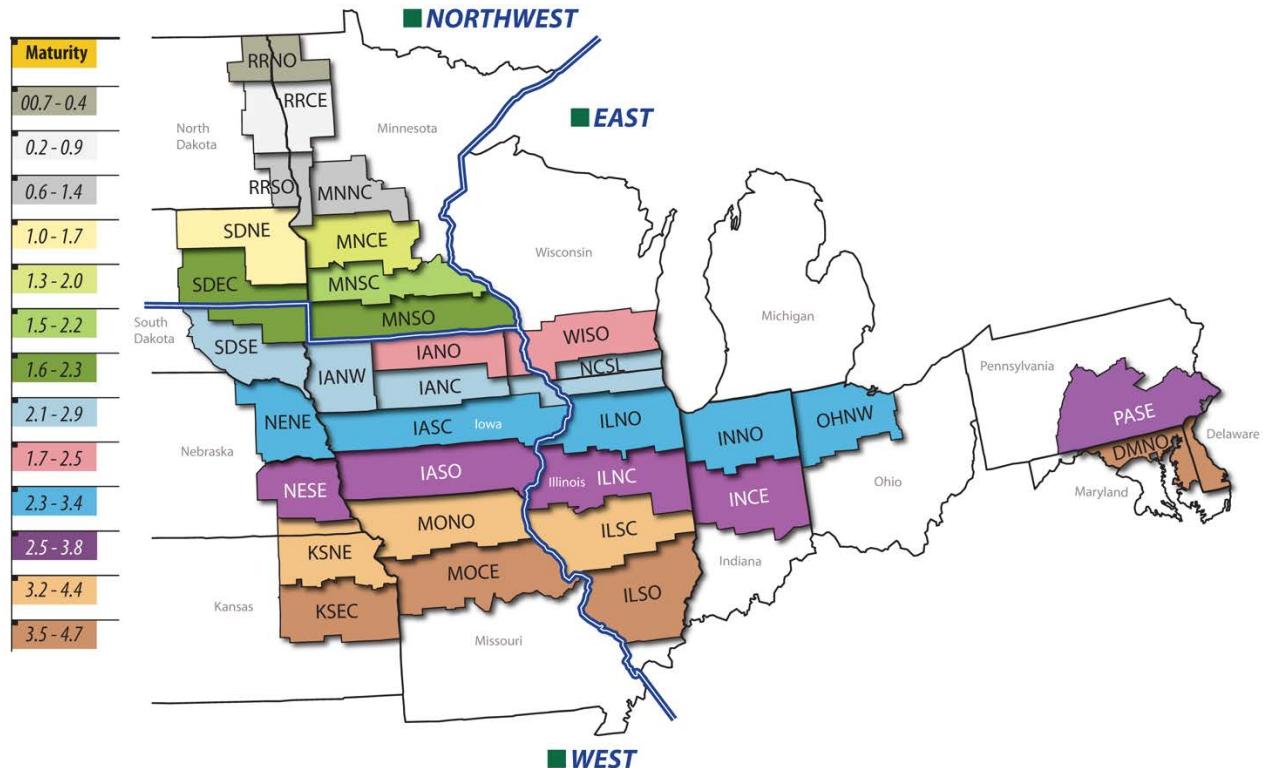


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2020 Soybean Testing Regions



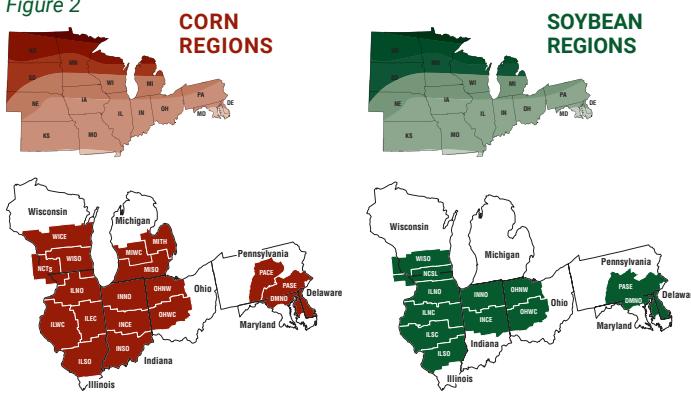
Our testing program compares corn and soybean seed product yield and agronomic performance in grower fields across 15 states: Delaware, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Pennsylvania, South Dakota and Wisconsin (*Figure 1*).

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



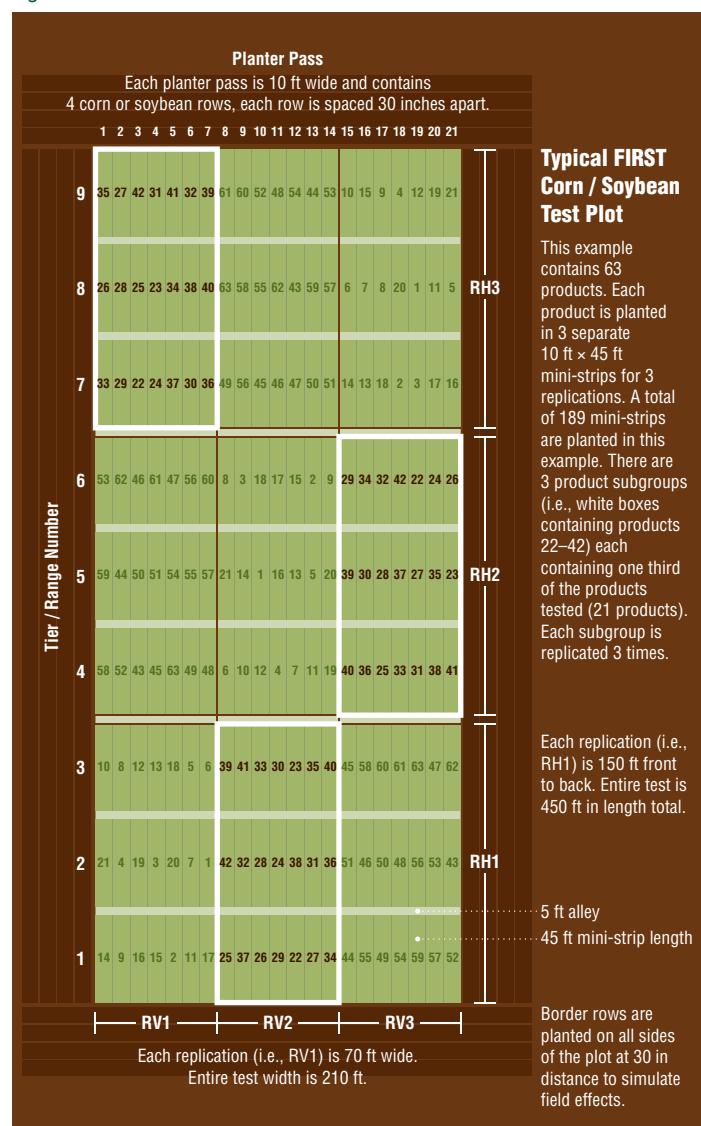
Test locations are selected to represent the geographic diversity within a region. Ideal sites have uniform, well-drained soils where farmer hosts use standard production practices for the area. Typically, all tests at a location are conducted adjacent to each other to minimize yield variance between 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 (See pages 21–24 & 35–37). 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. ×1234 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



PERFORMANCE SUMMARIES

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 Performance Summary* reports (Figures 4 & 5) 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.

Figure 4

EARLY SEASON TEST 93-98 Day CRM Top 30 of 48 tested										Results in BOLD are significantly above test average				
Company/Brand	Product/Brand	Technology	Relative Maturity	Yield (Bu/A)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Gross Income Rank	Tax Lake	Oxford	Plover	Ripon	Rush	
Dairyland Thunder	DS 3550AM 6098 VT2P	AM VT2PB	95	219.9	24.1	1	759	1	272.2	188.1	148.6	220.6	270.0	

Figure 5

ALL-SEASON TEST MATURITY GROUP 3.3-4.3 Top 30 of 54 tested										Results in BOLD are significantly above test average				
Company/Brand	Product/Brand	Technology	Maturity	Yield (Bu/A)	Protein (%)	Oil (%)	Moisture (%)	Lodging (%)	Gross Income (\$/A)	Berlin	Forsyth	Tuscola	Winden	
Dyna-Gro Great Heart FS HiSoy Pioneer	S37KS89 G3571KS HS 3809 P26A18X	RRX ST RRX ST RRX ST RRX ST	3.7 3.7 3.8 3.6	65.8 65.7 65.3 63.2	34.7 34.7 34.8 34.4	18.9 18.9 18.9 19.5	12.5 12.7 12.4 12.8	5592 5590 5591 5569	68.8 67.8 67.0 67.0	61.3 60.7 60.9 56.1	64.5 66.8 66.8 62.7	68.5 68.5 68.8 67.1		

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.

PERFORMANCE MEASUREMENTS

- A 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.
- B Moisture (%)** – A calibrated electronic sensor measures moisture content of harvested grain.
- C Lodging (%)** – Estimated percentage of corn plants leaning more than 45° from vertical or stalks broken below the ear at harvest. Encompasses both stalk and root lodging. Estimated soybean plant leaning (0% = all plants vertical, 100% = all plants flat on the ground).
- D 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.
- E 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.
- F Oil (%)** – Soybean oil content at 13% grain moisture determined by near infrared reflectance spectroscopy (NIR).
- G Protein (%)** – Soybean protein content at 13% grain moisture determined by NIR.

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 “S” 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.

2020 Soybeans Entries

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
AGRIGOLD AgriGold [AgReliant Genetics, LLC] http://www.agrigold.com 5381 Akin Road, St. Francisville IL 62460 (800) 262-7333						
G3285RX GC	RRX	3.2	NA	na	ILSC	
ANDERSON Anderson Seeds http://www.andersonseedsmn.com 37825 County Rd. 63, St. Peter MN 56082 (507) 246-5032						
159RXT	RRX	1.5	MR	Untreated	MNCEa	MNSCa
179RXT	RRX	1.7	MR	Untreated	MNCEb	MNSCa
180RXT	RRX	1.8	MR	Untreated	MNSCa	MNSOa
217RXT	RRX	2.0	MR	Untreated	MNSCb	MNSOb
A180E3	E3	1.8	NA	Untreated	MNSCa	MNSOa
A200E3	E3	2.0	NA	Untreated	MNSCb	MNSOb
APEX M.S. Technologies, L.L.C. http://www.mstechseed.com/ 103 Avenue D, West Point IA 52656 (800) 362-2510						
AE0300	E3	0.3	R	CMBV,SA	RRNO	
AE0710	E3	0.7	R	CMBV,SA	RRCE	RRSOa
AE0810	E3	0.8	R	CMBV,SA	MNNCa	RRCE RRSOa
AE1010	E3	1.0	R	CMBV,SA	MNNCb	RRSOa SDNE
AE1210S	E3	1.2	R	CMBV,SA	MNNCb	RRSOb SDNE
AE1300	E3	1.3	R	CMBV,SA	MNCEa	MNNCb RRSOb SDNE
AE1410	E3	1.4	R	CMBV,SA	MNCEa	MNNCb SDNE
AE1710	E3	1.7	R	CMBV,SA	IANOa MNSOa	MNCEb MNSCa SDEC SDNE
AE1910	E3	1.9	R	CMBV,SA	IANOa MNSCb	IANWa MNCEb MNSOa SDEC WISO
AE2010	E3	2.0	R	CMBV,SA	SDEC	
AE2110	E3	2.1	R	CMBV,SA	IANCa MNSCb SDSE	IANOa IANWa MNSOa SDEC WISO
AE2310	E3	2.3	R	CMBV,SA	IANCa IASCa SDEC	IANOb IANWa MNSOb NCNL SDSE WISO
AE2510	E3	2.5	R	CMBV,SA	IANCa IASO SDSE	IANOb IASCa ILNO NCNL WISO
AE2610	E3	2.6	R	CMBV,SA	IANCb IASO	IANWb IASCa NCSL

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
AE2611	E3	2.6	R	CMBV,SA	SDSE	
AE2800	E3	2.8	R	CMBV,SA	IACNb IASO NENE	IANWb ILNO SDSE
AE3001	E3	3.0	R	CMBV,SA	IASCb	IASO ILNC ILNO
AE3110	E3	3.1	R	CMBV,SA	IASCb ILNO	IASO NENE ILNC NESE
AE3111	E3	3.1	R	CMBV,SA	OHNW	
AE3310	E3	3.3	R	CMBV,SA	IASO ILSC OHNW	ILNC NENE ILNO NESE
AE3610	E3	3.6	R	CMBV,SA	ILNC	ILSC MONOa
AE3811	E3	3.8	R	CMBV,SA	ILNC	ILSC ILSO
AE4510	E3	4.5	R	CMBV,SA	ILSO	
ARMOR Armor Seed, LLC [WinField United] http://www.armorseed.com 20 Ferri Drive, Cleveland MS 38732 (870) 336-2290						
A20-E39	E3	2.0	MR	W	WISO	
A23-E89	E3	2.3	MR	W	IASCa	WISO
A25-E39	E3	2.5	MR	W	WISO	
A26-E89	E3	2.6	MR	W	IASCa	
A28-E89	E3	2.8	MR	W	IASCb	IASO
A30-E39	E3	3.0	MR	W	IASCb	IASO
A33-E39	E3	3.3	MR	W	IASO	
A42-D27	RRX,ST	4.2	MR	W	ILSO	
A42-E11	E3	4.2	MR	W	ILSO	
A44-D92	RRX,ST	4.4	MR	W	ILSO	
A44-E44	E3	4.4	MR	W	ILSO	
ASGROW Asgrow Brand [Bayer CropScience] http://www.asgrow.com 800 N. Lindbergh Blvd., St. Louis MO 63167 (314) 694-1000						
AG007X0 §	RRX	00.7	R	na	RRNO	
AG008X1 §	RRX	00.8	R	na	RRNO	
AG02X8 §	RRX	0.2	S	na	RRCE RRNO	
AG05X9 §	RRX	0.5	R	na	RRCE	
AG08X0 §	RRX	0.8	R	na	MNNCa RRCE RRSOa	
AG11X8 §	RRX	1.1	R	na	MNNCb RRSOb SDNE	
AG14X8 §	RRX	1.4	R	na	MNNCb RRSOb SDNE	

Harvest reports will identify company as shown in bold.

‡ Suffix GC = grower comparison, CK = check,

§ - United Soybean Board (USB) sponsored entry

† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019
Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested		
AG17X8 §	RRX	1.7	R	ACi,IL	IANOa	MNCEb	MNSCa
					MNSOa	SDEC	SDNE
AG19X0 §	RRX	1.9	R	ACi	MNCEb	MNSCb	MNSOa
					WISO		
AG20X9 §	RRX	2.0	R	ACi	IANOa	MNCEb	MNSCb
					MNSOb	SDEC	WISO
AG21X9 CK	RRX	2.1	R	Treated	MNSCa	MNSCb	
AG21X9 GC	RRX	2.1	R	ACi,IL	MNSOb		
AG21X9 §	RRX	2.1	R	na	SDEC	SDSE	
AG22X9 §	RRX	2.2	R	ACi,IL	IANOb		
AG25X9 GC	RRX	2.5	R	na	ILNO		
AG25X9 §	RRX	2.5	R	na	WISO		
AG26X0 §	RRX	2.6	R	ACi,IL	IANCb	IANWb	IASCa
					IASO	ILNO	NENE
AG26X8 GC	RRX	2.6	R	na	ILNO		
AG26X8 §	RRX	2.6	R	ACi	IANCb	IANWb	IASCa
					NCSL	NENE	OHNW
AG27X0 GC	RRX	2.7	R	ACi,IL	IANCb		
AG27X0 §	RRX	2.7	R	ACi,IL	IANWb	IASCa	ILNO
					INNO	NCSL	OHNW
AG29X9 GC	RRX	2.9	R	na	ILNC		
AG29X9 §	RRX	2.9	R	ACi,IL	IANCb	IASO	INCE
					NENE		
AG30X8 §	RRX	3.0	R	ACi,IL	OHNW		
AG33X0 §	RRX	3.3	R	AC	IASO	ILNC	ILNO
					ILSC	INCE	INNO
					MONOa	NESE	OHNW
					PASE		
AG34X6 GC	RRX	3.4	R	na	ILSC	ILSO	
AG36X6 GC	RRX	3.6	R	na	ILSO		
AG37X0 GC	RRX	3.7	R	na	ILSO	INCE	
AG37X0 §	RRX	3.7	R	AC	ILNC	ILSC	PASE
AG37X8 §	RRX	3.7	R	na	KSEC	KSNE	MOCE
					MONOa	NESE	
AG38X8 GC	RRX	3.8	R	na	ILSC		
AG38X8 §	RRX	3.8	R	na	DMNO	ILNC	ILSO
					INCE	PASE	
AG39X0 §	RRX,ST	3.9	R	na	KSNE	MOCE	MONOb
AG39X7 §	RRX,ST	3.9	R	ASfi,IL	DMNO	ILSC	ILSO
					KSEC	KSNE	MOCE
					NESE		
AG42X6 §	RRX	4.2	R	na	KSEC		
AG42X9 GC	RRX	4.2	R	na	ILSC		
AG42X9 §	RRX	4.2	R	ASfi,IL	DMNO	ILSO	

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested		
BURRUS Burrus Bros. & Assoc. Growers						Think BURRUS	
					http://www.burrusseed.com		
					826 Arenzville Rd., Arenzville IL 62611		
					(877) 4-BURRUS		
3798X	RRX	3.7	R	BPS-SDS	MOCE	MONOa	
3803E	E3	3.8	R	BPS-SDS	MOCE	MONOb	
BURTCH Burtch Seed						BURTCH	
					https://burtchseed.com/		
					4742 Tama Road, Celina OH 45822		
					(419) 363-3713		
STRIKE 1310 EN	E3	3.1	MR	CMBV	OHNW		
STRIKE 1340 EN	E3	3.4	MR	CMBV	OHNW		
STRIKE 339XR2	RRX	3.3	NA	CMBV	OHNW		
CHANNEL Channel Brand [Bayer CropScience]						Channel	
					http://www.channel.com		
					800 N. Lindbergh Blvd., St. Louis MO 63167		
					(800) 768-6387		
2519R2X GC	RRX	2.5	S	ACi,IL	IANWb	IASCa	NENE
2820R2X GC	RRX	2.8	NA	ACi,IL	IANCb	IANWb	IASCb
2918R2X GC	RRX	2.9	R	ACi,IL	NENE		
CHEM GRO Chemgro Seeds, Inc.						Chemgro	
					http://www.chemgro.com		
					PO Box 218, E. Petersburg PA 17520		
					(800) 346-4769		
C3152RX	RRX	3.1	NA	na	PASE		
C3354E	E3	3.3	NA	na	PASE		
C3751RXS	RRX,ST	3.7	R	na	DMNO	PASE	
C3753E	E3	3.7	R	na	DMNO	PASE	
CORNELIUS Cornelius Seed						Cornelius	
					http://www.corneliusseed.com		
					14760 317th Ave., Bellevue IA 52031		
					(800) 218-1862		
CB18X80	RRX	1.8	R	PG+	IANOa		
CB20X22	RRX	2.0	R	PG+	IANOa		
CB24X64	RRX	2.4	R	PG+	IANCa	IANOb	WISO
CB26X78	RRX	2.6	R	PG+	IANCb	NCSL	
CB27X81	RRX	2.7	R	PG+	IANCb	IASCa	NCSL
CB29X33	RRX	2.9	R	PG+	IASCb	ILNO	NCSL
CB29X33 GC	RRX	2.9	R	PG+	IASO		
CB33X17	RRX	3.3	R	PG+	IASO	ILNC	ILNO
CB36X22	RRX	3.6	R	PG+	IASO	ILNC	
CB38X89	RRX	3.8	R	PG+	ILNC		

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Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

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Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested		
CREDENZ Credenz [BASF] https://agriculture.bASF.us/crop-protection/products/credenz.html 26 Davis Drive, Research Triangle Park NC 27709 (973) 245-6000							
CZ 0309GTLL	LG27	0.3	MR	na	RRCE	RRNO	
CZ 0419GTLL	LG27	0.4	MR	na	MNNCa	RRCE	RRNO
CZ 0590GTLL	LG27	0.5	R	na	RRCE	RRNO	
CZ 0661GTLL	LG27	0.6	R	na	RRCE		
CZ 0729GTLL	LG27	0.7	MR	na	MNNCa	RRCE	RRSOa
CZ 1139GTLL	LG27	1.1	MR	na	MNNCb	RRSOb	
CZ 1280GTLL	LG27	1.2	MR	na	RRSOb		
CZ 1331GTLL	LG27	1.3	R	na	RRSOb		
CZ 1470GTLL	LG27	1.4	MR	na	RRSOb		
CZ 1660GTLL	LG27	1.6	MR	PV,IL,OB	MNCEa	MNSCa	MNSOa
					SDEC	SDNE	
CZ 1850GTLL	LG27	1.8	MR	PV,IL,OB	IANOa		
CZ 1859GTLL	LG27	1.8	R	PV,IL,OB	IANOa	MNCEb	MNSCa
					MNSOa	SDNE	
CZ 1859GTLL GC	LG27	1.8	R	na	WISO		
CZ 2040GTLL	LG27	2.0	R	PV,IL,OB	IANOa	IANWa	MNCEb
					MNSCb	MNSOb	SDEC
CZ 2040GTLL GC	LG27	2.0	R	na	WISO		
CZ 2121GTLL	LG27	2.1	NA	Treated	IANCa	IANOa	IANWa
					SDEC		
CZ 2121GTLL CK	LG27	2.1	NA	PV,IL,OB	MNSOa	MNSOb	
CZ 2121GTLL GC	LG27	2.1	NA	na	WISO		
CZ 2230GTLL	LG27	2.2	MR	Treated	IANCa	IANOb	IANWa
CZ 2360GTLL	LG27	2.3	MR	PV,IL,OB	IANCa	IANOb	IANWa
					IASCa	MNSCb	MNSOb
					SDEC	SDSE	
CZ 2360GTLL GC	LG27	2.3	MR	na	NCSL	WISO	
CZ 2550GTLL	LG27	2.5	MR	PV,IL,OB	IANCa	IANOb	IANWb
					IASCa	NENE	SDSE
CZ 2550GTLL GC	LG27	2.5	MR	na	NCSL	WISO	
CZ 2760GTLL	LG27	2.7	R	PV,IL	IANCb	IANWb	IASCa
					IASO	INNO	NENE
					PASE	SDSE	
CZ 2760GTLL GC	LG27	2.7	R	na	NCSL		
CZ 2830GTLL	LG27	2.8	R	PV,IL,OB	IANCb	IANWb	IASCb
					IASO	NENE	PASE
					SDSE		
CZ 2910GTLL	LG27	2.9	R	PV,IL,OB	IANCb	IASCb	IASO
					PASE		
CZ 3099GTLL	LG27	3.0	R	PV,IL	IASCb	IASO	INNO
					NENE	NESE	PASE
CZ 3250GTLL	LG27	3.2	R	Treated	NENE	NESE	

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CZ 3309GTLL	LG27	3.3	R	PV,IL,OB	IASO	MONOa	PASE					
CZ 3480GTLL	LG27	3.4	R	Treated	IASO	KSNE	MONOa					
CZ 3519GTLL	LG27	3.5	MR	PV,IL	DMNO	IASO	MOCE					
CZ 3660GTLL	LG27	3.6	R	PV,IL,OB	IASO	INCE	KSNE					
CZ 3750GTLL	LG27	3.7	R	PV,IL,OB	INCE	KSNE	PASE					
CZ 3840GTLL	LG27	3.8	MR	PV,IL	DMNO	KSNE	MOCE					
CZ 3930GTLL	LG27	3.9	MR	PV,IL	DMNO	KSEC	KSNE					
CZ 4240GTLL	LG27	4.2	MR	PV,IL	DMNO							
CZ 4241GTLL	LG27	4.2	NA	PV,IL	DMNO	KSEC	KSNE					
CZ 4410GTLL	LG27	4.4	R	PV,IL	DMNO	KSEC	KSNE					
CZ 4539GTLL	LG27	4.5	R	PV,IL	DMNO	MOCE						
CZ 4701R2X	RRX	4.7	R	na	KSEC							
CZ 4730R2X	RRX	4.7	MR	na	KSEC							
CZ 4770R2X GC	RRX	4.7	NA	na	KSEC							
CZ 4810R2X GC	RRX	4.8	NA	na	KSEC							
CZ 4869R2X GC	RRX	4.8	NA	na	KSEC							
CROPLAN Croplan Genetics [WinField United] http://www.croplangenetics.com 4001 Lexington Ave. N, Arden Hills MN 55126 (651) 765-5712												
												
CP1960X GC	RRX	1.9	NA	Untreated	IANOa							
CP2128X GC	RRX	2.1	R	W	IANOa	IANWa						
CP2219X CK	RRX	2.1	R	Untreated	IANOa	IANOb						
CP2400X CK	RRX	2.4	R	Untreated	IANCa	IANCb	IANWa					
CP2400X GC	RRX	2.4	R	Untreated	IANOb							
DAHLMAN Dahlman Seed Company LLP http://www.dahlmanseed.com 73504 200th Street, Dassel MN 55325 (800) 289-7333												
												
1102E3N	E3	0.2	R	na	RRNO							
6004XN	RRX	0.4	MR	na	RRNO							
6903XN	RRX	0.3	R	na	RRNO							
DAIRYLAND Dairyland Seed Co., Inc. [Corteva Agriscience] http://www.dairylandseed.com PO Box 958, West Bend WI 53095 (800) 236-0163												
												
DSR-0645E	E3	0.6	R	Lum,Lu,IL	MNNCa							

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
DSR-0717E	E3	0.7	S	Lum,Lu,IL	MNNCa	
DSR-0847E	E3	0.8	MR	Lum,Lu,IL	MNNCa	
DSR-0920E	E3	0.9	R	Lum,Lu,IL	MNNCa	
DSR-1032E	E3	1.0	R	Lum,Lu,IL	MNNCb	SDNE
DSR-1318E	E3	1.3	R	Lum,Lu,IL	MNCEa	MNNCb SDNE
DSR-1673E	E3	1.6	R	Lum,Lu,IL	MNCEa	MNSCa MNSOa SDEC
DSR-2030E	E3	1.9	R	Lum,Lu,IL	MNCEb	MNSCb MNSOa SDEC WISO
DSR-2112E	E3	2.1	R	Lum,Lu,IL	MNSCb	MNSOb SDEC WISO
DSR-2259E	E3	2.2	R	Lum,Lu,IL	MNSCb	MNSOb NCSL SDEC WISO
DSR-2424E	E3	2.3	R	Lum,Lu,IL	NCSL	SDEC WISO
DSR-2555E	E3	2.5	R	Lum,Lu,IL	INNO	NCSL WISO
DSR-2590E	E3	2.5	R	Lum,Lu,IL	INNO	NCSL WISO
DSR-2640E	E3	2.6	R	Lum,Lu,IL	INNO	NCSL
DSR-2844E	E3	2.8	R	Lum,Lu,IL	INCE	INNO NCSL
DSR-2999E	E3	2.9	R	Lum,Lu,IL	INCE	INNO NCSL
DSR-3146E	E3	3.1	R	Lum,Lu,IL	INCE	INNO
DSR-3256E	E3	3.2	R	Lum,Lu,IL	INCE	INNO
DSR-3365E	E3	3.3	R	Lum,Lu,IL	INCE	INNO
DSR-3587E	E3	3.5	R	Lum,Lu,IL	INCE	
DSR-3645E	E3	3.6	R	Lum,Lu,IL	INCE	
DSR-3989E	E3	3.8	R	Lum,Lu,IL	INCE	
E20-101E	E3	2.2	R	Lum,Lu,IL	MNSCb	MNSOb SDEC WISO
E24-201E	E3	2.3	R	Lum,Lu,IL	MNSOb	NCSL SDEC WISO
DONMARIO Donmario Seeds, Inc.						
http://www.donmario.com/en/usa/home						
454 E 300 N Rd, Gibson City IL 60936						
(217) 784-8475						
DM 28J9X	RRX	2.8	R	na	ILNO	NCSL
DM 31X61	RRX	3.1	R	na	IASCb	IASO ILNC ILNO INCE INNO NENE NESE OHNW
DM 34E11	E3	3.4	R	na	ILNC	
DM 34X16	RRX	3.4	R	na	ILNC	ILNO
DM 3756E	E3	3.7	R	na	ILNC	ILSC MOCE MONOa
DM 38X51	RRX	3.8	R	na	ILSC	
DM 3932E	E3	3.9	R	na	ILSC	MOCE MONOb
DM 40X61	RRX	4.0	R	na	ILSC	KSEC KSNE MOCE MONOb

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested			
DM 41P2X	RRX	4.1	R	na	ILSC			
DM 43E51	E3	4.3	R	na	ILSC	MOCE MONOb		
DM 44X31	RRX	4.4	NA	na	KSEC			
DYNA-GRO Dyna-Gro Seed [Nutrien Ag Solutions]								
http://www.dynagroseed.com								
3005 Rocky Mountain Ave, Loveland CO 80538								
(970) 685-3300								
S009XT68	RRX	00.9	S	EQV,SA	RRNO			
S03XT29	RRX	0.3	R	EQV,SA	RRNO			
S04XT91	RRX	0.4	MR	EQV,SA	RRNO			
S07EN61	E3	0.7	R	EQV,SA	RRCE			
S07XT28	RRX	0.7	R	EQV,SA	RRCE			
S09EN41	E3	0.9	R	EQV,SA	RRSOa			
S09XT50	RRX	0.9	R	EQV,SA	RRCE			
S10XT71	RRX	1.0	R	EQV,SA	MNNCb	RRSOa		
S11EN40	E3	1.1	R	EQV,SA	MNNCb	RRSOb SDNE		
S13XT89	RRX	1.3	R	EQV,SA	MNNCb			
S14EN90	E3	1.4	R	EQV,SA	MNCEa	MNNCb RRSOb		
S17EN80	E3	1.7	R	EQV,SA	MNCEb	MNSCa MNSOa SDEC		
S17XT29	RRX	1.7	R	EQV,SA	MNCEb	MNSCa MNSOa		
S19EN21	E3	1.9	R	EQV,SA	MNSCb			
S19XT30	RRX	1.9	R	EQV,SA	MNCEb	MNSCb MNSOa SDEC		
S21EN81	E3	2.1	R	EQV,SA	MNSOb			
S21XT49	RRX	2.1	R	EQV,SA	MNSCb	MNSOb		
S25XT99	RRX	2.5	R	EQV,SA	SDSE			
S27EN89	E3	2.7	R	EQV,SA	INNO	SDSE		
S28XT58	RRX	2.8	R	EQV,SA	ILNO	INNO NENE SDSE		
S30EN70	E3	3.0	R	EQV,SA	ILNO	NENE		
S31EN91	E3	3.1	R	EQV,SA	INNO			
S31GL41	LG27	3.1	R	EQV,SA	INNO			
S32EN01	E3	3.2	R	EQV,SA	ILNO	INNO NENE		
S32XS71	RRX,ST	3.2	MR	EQV,SA	INCE	INNO		
S34GL79	LG27	3.4	R	EQV,SA	INCE			
S34XT69	RRX	3.4	R	EQV,SA	NENE			
S35EN99	E3	3.5	R	EQV,SA	ILNC	INCE MONOa NESE		
S36ES70	E3	3.6	R	EQV,SA	ILNC	INCE MONOa		
S36XT91	RRX	3.6	MR	EQV,SA	ILNC	INCE		
S37EN39	E3	3.7	R	EQV,SA	ILSC	INCE MONOa NESE		

Harvest reports will identify company as shown in bold.

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† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
S37XS89	RRX,ST	3.7	R	EQV,SA	ILSC	INCE
S38XS21	RRX,ST	3.8	R	EQV,SA	ILSC	KSNE MONOb
S39EN19	E3	3.9	R	EQV,SA	ILSC	MOCE MONOb
S41ES80	E3	4.1	R	EQV,SA	ILSC	KSNE MOCE
S41XS98	RRX,ST	4.1	R	EQV,SA	ILSO	KSNE
S41XS98 §	RRX,ST	4.1	R	EQV,SA	KSEC	
S43EN61	E3	4.3	R	EQV,SA	ILSO	KSEC MOCE
S43XS70	RRX,ST	4.3	R	EQV,SA	ILSO	KSEC
S46ES91	E3	4.6	R	EQV,SA	KSEC	
S46XS60	RRX,ST	4.6	R	EQV,SA	KSEC	
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>						
301R2X	RRX	3.0	NA	IS,Ri	INNO	OHNW
330R2X	RRX	3.3	R	IS,Ri	INCE	INNO OHNW
351R2X	RRX	3.4	R	IS,Ri	INCE	INNO OHNW
368R2X	RRX	3.6	R	IS,Ri	INCE	
388R2X	RRX	3.8	R	IS,Ri	INCE	
E3151 E3	E3	3.1	NA	IS,Ri	INNO	OHNW
E3350 E3	E3	3.3	R	IS,Ri	INCE	INNO OHNW
E3540 E3	E3	3.4	R	IS,Ri	INCE	INNO OHNW
E3741 E3	E3	3.7	R	IS,Ri	INCE	
E3851 E3	E3	3.8	R	IS,Ri	INCE	
FEDERAL Federal Hybrids						
http://www.federalhybrids.com						
209 3rd St. NE, West Bend IA 50597						
(515) 887-5888						
 Quality Hybrids Since 1932						
F1401N	E3	1.4	R	Untreated	MNNCb	
F1509N	LG27	1.5	R	Untreated	MNNCb	
F1601N	E3	1.6	NA	Untreated	MNSCa	
F1709N	LG27	1.7	R	Untreated	MNSCa	
F1709N GC	LG27	1.7	R	Untreated	MNCEb	
F1901N	E3	1.9	R	Untreated	MNCEb MNSCb MNSOa	
F1909N	LG27	1.8	R	Untreated	MNCEb MNSOa	
F2001N	E3	2.0	R	Untreated	MNCEb MNSCb	
F2090N	RRX	2.0	R	Untreated	MNCEb MNSOb	
F2201N	E3	2.2	R	Untreated	MNSCb MNSOb	
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						
						

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
HS 18X70	RRX	1.8	R	AcI,SA	IANOa	WISO
HS 19X90	RRX	1.9	R	AcI,SA	IANOa	WISO
HS 21X90	RRX	2.1	R	AcI,SA	IANCa NCSL	IANOa IANWa WISO
HS 22X00	RRX	2.2	R	AcI,SA	IANCa NCSL	IANOb IANWa WISO
HS 23X70	RRX	2.3	R	AcI,SA	IANCa IASCa	IANOb IANWa NCSL WISO
HS 24X80	RRX	2.4	R	AcI,SA	IANCa IASCa ILNO	IANOb IANWa OHNW WISO
HS 25E00	E3	2.5	R	AcI,SA	IANWb INNO	IASCa ILNO NCSL OHNW
HS 27X90	RRX	2.7	R	AcI,SA	IANCb IASO NCSL	IANWb IASCa ILNO INNO
HS 28E90	E3	2.8	R	AcI,SA	IANCb NCSL	IANWb ILNC
HS 28X70	RRX	2.8	R	AcI,SA	IANCb ILNO	IANWb IASCb INNO NCSL
HS 30X00	RRX	3.0	R	AcI,SA	IASCb ILNO OHNW	IASO INCE ILNC INNO
HS 32E00	E3	3.2	R	AcI,SA	IASCb ILNO MONOa	IASO INCE ILNC INNO
HS 32X90	RRX	3.2	R	AcI,SA	IASCb ILNO MONOa	IASO ILNC INCE INNO
HS 34E80	E3	3.4	R	AcI,SA	IASO INCE	ILNC MONOa OHNW
HS 34X60	RRX	3.4	R	AcI,SA	IASO INNO	ILNC OHNW
HS 35X00	RRX	3.5	R	AcI,SA	IASO ILSO MONOa	ILNC MOCE
HS 38E90	E3	3.8	R	AcI,SA	ILSC MOCE	ILSO INCE
HS 38X00	RRX	3.8	MR	AcI,SA	ILSC MONOa	ILSO MOCE
HS 38X70	RRX	3.8	R	AcI,SA	ILNC	ILSC ILSO
HS 39E00	E3	3.9	R	AcI,SA	ILSC MONOa	ILSO MOCE
HS 41X70	RRX	4.1	R	AcI,SA	ILSC	ILSO MOCE
HS 43E00	E3	4.3	R	AcI,SA	ILSC MONOa	ILSO MOCE

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Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested			
GENESIS M.S. Technologies, L.L.C.								
http://www.mstechseed.com/ 103 Avenue D, West Point IA 52656 (800) 362-2510								
G0340E	E3	0.3	R	CMBV,SA	RRNO			
G0380GL	LG27	0.3	R	EcTC	RRCE			
G0690GL	LG27	0.6	R	EcTC	RRCE	RRSOa		
G0750E	E3	0.7	R	CMBV,SA	RRCE	RRSOa		
G0850E	E3	0.8	R	CMBV,SA	MNNCa	RRCE RRSOa		
G1050E	E3	1.0	R	CMBV,SA	MNNCb	RRSOa SDNE		
G1250ES	E3	1.2	R	CMBV,SA	MNNCb	RRSOb SDNE		
G1340E	E3	1.3	R	CMBV,SA	MNCEa	MNNCb RRSOb SDNE		
G1450E	E3	1.4	R	CMBV,SA	MNCEa	MNNCb MNSCa SDNE		
G1650E	E3	1.6	R	CMBV,SA	MNCEa SDEC	MNSCa SDNE		
G1680GL	LG27	1.6	R	EcTC	MNCEa	MNSOa		
G1680GL GC	LG27	1.6	R	EcTC	MNSCa			
G1750E	E3	1.7	R	CMBV,SA	IANOa SDNE	MNSCa MNSOa		
G1950E	E3	1.9	R	CMBV,SA	IANOa MNCEb MNSCb WISO	IANWa MNCEa MNSOa SDEC		
G2150E	E3	2.1	R	CMBV,SA	IANCa MNSCb SDEC	IANOa NCSL SDSE WISO		
G2190GL	LG27	2.1	R	EcTC,SA	IANCa MNSCb	IANOa IANWa MNSOa WISO		
G2350E	E3	2.3	R	CMBV,SA	IANCa MNSOb SDSE	IANOa NCSL WISO		
G2550E	E3	2.5	R	CMBV,SA	IANCa IASCa NCSL WISO	IANOa ILNO IASO OHNW SDSE		
G2750E	E3	2.7	R	CMBV,SA	OHNW			
G2840E	E3	2.8	R	CMBV,SA	IANCb ILNO	IASCb NCSL IASO		
G3040E	E3	3.0	R	CMBV,SA	IASCb ILNO	IASO NENE ILNC OHNW		
G3150E	E3	3.1	R	CMBV,SA	ILNO			
G3151E	E3	3.1	R	CMBV,SA	OHNW			
G3350E	E3	3.3	R	CMBV,SA	IASO NENE	ILNO ILSC NESE OHNW		
G3650E	E3	3.6	R	CMBV,SA	IASO	KSNE NESE		
G3850ES	E3	3.8	R	CMBV,SA	KSEC	KSNE NESE		
G4350E	E3	4.3	R	EcTC,SA	ILSC	KSNE		

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Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested			
GOLD COUNTRY Gold Country Seed [Bayer CropScience]								
http://www.goldcountryseed.com 16506 MN-15, Hutchinson MN 55350 (320) 587-1050								
1360X	RRX	1.3	R	AcI,IL	MNCEa	MNNCb		
1609X	RRX	1.6	R	AcI,IL	MNSCa	MNSOa		
1609X GC	RRX	1.6	R	AcI,IL	MNCEa			
2249X	RRX	2.2	R	AcI,IL	MNSCb	MNSOb		
GOLDEN HARVEST Syngenta								
http://www.syngenta-us.com/seed 2001 Butterfield Road – Suite 1600, Downers Grove IL 60515 (800) 652-7333								
GH00833E3	E3	0.1	MR	CMBV,SA	RRNO			
GH0145X	RRX	0.1	S	CMBV,SA	RRNO			
GH0325E3 §	E3	0.3	MR	CMBV,SA	RRNO			
GH0443X	RRX	0.4	MR	CMBV,SA	RRCE	RRNO		
GH0715E3 §	E3	0.7	R	CMBV,SA	RRCE			
GH0749X	RRX	0.7	MR	CMBV,SA	MNNCa RRCE	RRSOa		
GH1012E3 §	E3	1.0	R	CMBV,SA	MNNCb	RRSOa		
GH1225X	RRX	1.2	R	CMBV,SA	MNNCb	RRSOb		
GH1225X §	RRX	1.2	R	CMBV,SA	SDNE			
GH1362E3	E3	1.3	R	CMBV,SA	MNCEa			
GH1414X §	RRX	1.4	R	CMBV,SA	SDNE			
GH1557E3	E3	1.5	R	CMBV,SA	MNCEa			
GH1638X	RRX	1.6	MR	CMBV,SA	MNCEa	MNSOa SDEC SDNE		
GH1638X §	RRX	1.6	MR	CMBV,SA	IANOa	MNSCa		
GH1763E3	E3	1.7	MR	CMBV,SA	MNSCa			
GH1915X	RRX	1.9	R	CMBV,SA	IANOa WISO	MNCEb MNSCb		
GH1915X §	RRX	1.9	R	CMBV,SA	IANWa	MNSOa SDEC		
GH2011E3	E3	2.0	MR	CMBV,SA	MNSCb	MNSOa		
GH2011E3 §	E3	2.0	MR	CMBV,SA	MNCEb			
GH2041X	RRX	2.0	R	CMBV,SA	IANOa	MNCEb		
GH2041X §	RRX	2.0	R	CMBV,SA	WISO			
GH2230X	RRX	2.2	R	CMBV,SA	IANCa IASCa	MNSOb		
GH2230X §	RRX	2.2	R	CMBV,SA	IANOa	SDEC		
GH2329X	RRX	2.3	MR	CMBV,SA	IANCa IASCa	IANOa SDSE WISO		
GH2420E3	E3	2.4	MR	CMBV,SA	NCSL			
GH2523E3 §	E3	2.5	R	CMBV,SA	NCSL			

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested		
GH2552X	RRX	2.5	MR	CMBV,SA	IANCa	IANWb	IASCa
				INNO		OHNW	WISO
GH2552X §	RRX	2.5	MR	CMBV,SA	SDSE		
GH2610E3 §	E3	2.6	NA	CMBV,SA	NENE		
GH2788X	RRX	2.7	R	CMBV,SA	IANWb	ILNC	ILNO
				NCNL		OHNW	SDSE
GH2788X §	RRX	2.7	R	CMBV,SA	IANCb	IASCa	
GH2818E3	E3	2.8	MR	CMBV,SA	IASCb	ILNO	NCNL
GH2818E3 §	E3	2.8	MR	CMBV,SA	INCE	INNO	OHNW
GH2981X	RRX	2.9	R	CMBV,SA	IANCb		
GH3042E3	E3	3.0	R	CMBV,SA	IASCb	IASO	
GH3088X	RRX	3.0	R	CMBV,SA	IASO	ILNO	INNO
					NENE		OHNW
GH3088X §	RRX	3.0	R	CMBV,SA	IASCb		
GH3152E3S	E3,ST	3.1	MR	CMBV,SA	IASCb		
GH3152E3S §	E3,ST	3.1	MR	CMBV,SA	IASO	ILNO	
GH3347X	RRX	3.3	R	CMBV,SA	IASO	ILNC	ILNO
GH3347X GC	RRX	3.3	R	CMBV,SA	ILSC		
GH3380E3	E3	3.3	NA	CMBV,SA	ILNO		
GH3380E3 §	E3	3.3	NA	CMBV,SA	ILNC		
GH3475X	RRX	3.4	R	CMBV,SA	INNO		
GH3546X	RRX	3.5	R	CMBV,SA	IASCb	ILNC	ILSC
					ILSO	INCE	
GH3582E3	E3	3.5	R	CMBV,SA	IASO	ILNC	ILSC
					ILSO	INCE	MONOa
GH3728X	RRX	3.7	R	CMBV,SA	ILNC	ILSC	INCE
					KNSE		
GH3759E3S	E3,ST	3.7	MR	CMBV,SA	MONOa		
GH3922E3	E3	3.9	MR	CMBV,SA	MONOb		
GH3922E3 §	E3	3.9	MR	CMBV,SA	ILSC	ILSO	
GH3934X §	RRX	3.9	R	CMBV,SA	ILSC	ILSO	KNSE
GH3982X	RRX	3.9	R	CMBV,SA	KSEC		
GH4155E3 §	E3	4.1	MR	CMBV,SA	MONOb		
GH4201E3	E3	4.2	NA	CMBV,SA	MONOb		
GH4307X	RRX	4.3	R	CMBV,SA	ILSO		
GH4307X §	RRX	4.3	R	CMBV,SA	KSEC		
GH4589X	RRX	4.5	R	CMBV,SA	KSEC		
GREAT HEART Great Heart Seed							
http://www.greatheartseed.com							
220 W. Washington St., Paris IL 61944							
(877) 243-2071							
							
GT-3711XS	RRX,ST	3.7	R	na	ILNC	ILSC	ILSO
					INCE		

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested					
GT-3840X	RRX	3.8	R	na	ILNC	ILSC	ILSO			
					INCE					
GT-4255XS	RRX,ST	4.2	R	na	ILSO					
HCI Huron Commodities International										
http://www.huron.com/										
75 Wellington Street, Clinton Ontario N0M 1L0										
011 (519) 482-8400										
										
HC-02 GC	CONV	0.2	NA	Untreated	MNSCa					
HEFTY Hefty Seed Company										
http://www.heftyseed.com										
47504 252nd St., Baltic SD 57003										
(866) 769-7200										
										
H006X0	RRX	0.1	R	HCS	RRNO					
H008E1	E3	0.1	R	HCS	RRNO					
H01X0	RRX	0.1	S	HCS	RRNO					
H02E1	E3	0.2	R	HCS	RRCE	RRNO				
H04E8	E3	0.4	S	HCS	RRCE	RRNO				
H04X0	RRX	0.4	R	HCS	RRCE	RRNO				
H07X0	RRX	0.7	R	HCS	RRCE	RRSOa				
H09X0	RRX	0.9	R	HCS	RRCE	RRSOa				
H09X1	RRX	0.9	R	HCS	RRSOa					
H10X0	RRX	1.0	R	HCS	RRSOa					
H10X9	RRX	1.0	MR	HCS	MNNCb					
H11X8	RRX	1.1	MR	HCS	MNNCb	SDNE				
H13X7	RRX	1.3	MR	HCS	MNNCb					
H14X1	RRX	1.4	R	HCS	RRSOb					
H14X8	RRX	1.4	MR	HCS	MNCEa	MNNCb	SDNE			
H16X1	RRX	1.6	R	HCS	MNCEa	MNSCa	MNSOa			
					SDEC	SDNE				
H16X8	RRX	1.6	MR	HCS	SDNE					
H17X9	RRX	1.7	MR	HCS	IANOa	MNCEb	MNSCa			
					MNSOa	SDNE				
H18X1	RRX	1.8	R	HCS	IANOa	MNCEb	MNSCa			
					MNSOa	SDEC				
H18X8	RRX	1.8	MR	HCS	IANOa	MNSCa				
					SDEC	MNSOa				
H20X0	RRX	2.0	R	HCS	SDEC					
H23X0	RRX	2.3	R	HCS	IANCa	IANOb	IANWa			
					MNSOb	NCSL	SDEC			
					SDSE					
H23X9	RRX	2.3	MR	HCS	IANCa	IANOb	IANWa			
					MNSOb					
H24X8	RRX	2.4	MR	HCS	IANWa					
H25X0	RRX	2.5	R	HCS	IANCa	IANOb	IANWb			
					ILNO	NCSL	SDSE			

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§ - United Soybean Board (USB) sponsored entry

† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.† Mat.	SCN	STrtt	Region(s) Tested		
H25X8	RRX	2.5	MR	HCS	IANWb	SDSE
H28X8	RRX	2.8	R	Untreated	IANCb	IANWb ILNC SDSE NCSL NENE
H29X8	RRX	2.9	MR	HCS	IANCb	ILNC ILNO NCSL NENE
H31X9	RRX	3.1	R	HCS	ILNC	NENE NESE
H33X0	RRX	3.3	R	HCS	ILNC	ILNO NENE NESE
H39X8	RRX	3.9	MR	HCS	KSEC	NESE
H39X8 §	RRX	3.9	MR	HCS	KSNE	
H42X9	RRX	4.2	MR	HCS	KSEC	
H47E1	E3	4.7	R	HCS	KSEC	
HOEGEMEYER Hoegemeyer						
Hybrids [Corteva Agriscience] http://www.therrightseed.com 1755 Hoegemeyer Rd., Hooper NE 68031 (800) 245-4631						
 HOEGEMEYER <small>THE RIGHT SEED</small>						
2245 E	E3	2.2	R	Lum,Lu,IL	IANCa	IANWa SDSE
2540 E	E3	2.5	R	Lum,Lu,IL	SDSE	
2660 E	E3	2.6	R	Lum,Lu,IL	IANCb	IANSb NENE SDSE
2970 E	E3	2.9	R	Lum,Lu,IL	IANCb	IASCb IASO NENE
3030 E	E3	3.0	R	Lum,Lu,IL	IASCb	
3120 E	E3	3.1	R	Lum,Lu,IL	NENE	
3350 E	E3	3.3	R	Lum,Lu,IL	IASO	MONOa NENE
3521 SE	E3	3.5	R	Lum,Lu,IL	IASO	MONOa NESE
3591 E	E3	3.5	R	Lum,Lu,IL	IASO	MONOa NESE
3921 E	E3	3.9	R	Lum,Lu,IL	KSEC	KSNE MONOb NESE
4081 SE	E3	4.0	R	Lum,Lu,IL	KSEC	KSNE MONOb
4161 E	E3	4.1	R	Lum,Lu,IL	KSEC	KSNE
4516 SE	E3	4.5	R	Lum,Lu,IL	KSEC	
4641 E	E3	4.6	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						
						
H29-19R2X	RRX	2.9	R	AC	PASE	
H32-29R2X	RRX	3.2	R	AC	PASE	
H33-40R2X	RRX	3.3	R	AC	PASE	
H35-27R2X	RRX	3.5	R	AC	PASE	
H36-28R2X	RRX	3.6	R	AC	PASE	

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† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.† Mat.	SCN	STrtt	Region(s) Tested		
H40-29R2X	RRX	4.0	R	AC	DMNO	
H42-28R2X	RRX	4.2	R	AC	DMNO	
H43-27R2X	RRX	4.3	R	AC	DMNO	
H46-29R2X	RRX	4.6	R	AC	DMNO	
JACOBSEN Jacobsen Hybrid Corn Company, Inc.						
http://www.jacobsenseed.com 129 9th Street, Lake View IA 51450 (800) 761-1024 						
J3817GT GC	GT	3.8	R	EcTC	PASE	
KRUGER Kruger Seeds [Bayer CropScience]						
http://www.kruggerseed.com 33730 160th St., Cedar Falls IA 50613 (800) 772-2721 						
K2X-1681	RRX	1.7	R	ACi,IL	IANOa	
K2X-1862	RRX	1.8	R	ACi,IL	IANOa	
K2X-2073	RRX	2.0	R	ACi,IL	IANOa	IANWa
K2X-2283	RRX	2.2	R	ACi,IL	IANOb	
K2X-2573	RRX	2.5	R	ACi,IL	IANCa IASCa	IANOb IANWb
K2X-2573 GC	RRX	2.5	R	ACi,IL	IASO	
K2X-2673	RRX	2.6	R	ACi,IL	IANCb IASO	IANWb IASCa
K2X-2971	RRX	2.9	R	ACi,IL	IANCb	IASCb IASO
K2X-3384	RRX	3.3	R	ACi,IL	IASO	
K2X-3552	RRX	3.5	R	ACi,IL	IASO	
K2X-3662	RRX	3.6	R	ACi,IL	IASO	
LATHAM Latham Hi-Tech Seeds						
http://www.lathamseeds.com 131 180th St., Alexander IA 50420 (877) 465-2842 						
E 0624 LLGT27	LG27	0.6	S	SS+	RRCE	
E 2995 LLGT27	LG27	2.9	R	SS+	IANCb NCSL	NENE
E 3148 LLGT27	LG27	3.1	R	SS+	IASCb	NENE
L 0124 R2X	RRX	0.1	NA	SS+	RRNO	
L 0225 E3	E3	0.2	S	SS+	RRNO	
L 0282 R2X	RRX	0.2	R	SS+	RRNO	
L 0293 E3	E3	0.2	R	SS+	RRNO	
L 0425 E3	E3	0.4	S	SS+	RRNO	
L 0438 R2X	RRX	0.4	R	SS+	RRNO	
L 0595 E3	E3	0.5	R	SS+	RRCE	
L 0739 R2X	RRX	0.7	R	SS+	RRCE	RRSOa
L 0785 E3	E3	0.7	R	SS+	RRCE	RRSOa
L 0852 LLGT27	LG27	0.8	S	SS+	MNNCa RRCE	RRSOa
L 0883 R2X	RRX	0.8	R	SS+	RRCE	

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
L 0982 R2	RR2Y	0.9	R	SS+	MNNCa	RRCE
L 1085 LLGT27	LG27	1.0	R	SS+	MNNCb	RRSoa SDNE
L 1094 E3	E3	1.0	R	SS+	MNNCb	RRSoa SDNE
L 1192 E3	E3	1.1	R	SS+	RRSOb	SDNE
L 1392 E3	E3	1.3	R	SS+	MNNCb	RRSOb SDNE
L 1429 LLGT27	LG27	1.4	R	SS+	MNNCb	RRSOb SDNE
L 1482 R2X	RRX	1.4	R	SS+	MNNCb	SDNE
L 1595 E3	E3	1.5	R	SS+	MNNCb	
L 1648 LLGT27	LG27	1.6	R	SS+	MNCEa	MNSCa MNSOa
L 1758 E3	E3	1.7	R	SS+	MNCEb	MNSCa MNSOa
SDNE						
L 1769 R2X	RRX	1.7	R	SS+	MNCEb	MNSCa
L 1858 R2	RR2Y	1.8	R	SS+	IANOa	MNCEb MNSCa
MNSOa SDEC						
L 1948 R2X	RRX	1.9	R	SS+	MNCEb	MNSOa
L 1995 E3	E3	1.9	R	SS+	MNCEb	
L 2049 E3	E3	2.0	R	SS+	IANOa	MNCEb SDEC
L 2084 R2	RR2Y	2.0	R	SS	MNCEb	MNSCb
L 2184 R2X	RRX	2.1	R	SS+	IANCa	IANOa IANWa
MNSCb MNSOb SDEC						
L 2193 E3	E3	2.1	R	SS+	IANOa	MNSCb SDEC
L 2228 R2	RR2Y	2.2	R	SS+	IANCa	IANOb IANWa
MNSCb MNSOb SDEC WISO						
L 2295 R2X	RRX	2.2	R	SS+	IANOb	IANWa MNSOb
SDEC WISO						
L 2379 E3	E3	2.3	R	SS+	IANCa	IANOb IASCa
MNSOb SDSE WISO						
L 2395 LLGT27	LG27	2.3	R	SS+	IANWa	SDEC SDSE
L 2549 R2X	RRX	2.5	R	SS+	IANCa	IANOb IANWb
SDSE WISO						
L 2578 LLGT27	LG27	2.5	R	SS+	IASCa	SDSE WISO
L 2638 E3	E3	2.6	R	SS+	IANCb	IANWb IASCa
SDSE						
L 2682 R2X	RRX	2.6	R	SS+	IANCb	IASCa
L 2839 LLGT27	LG27	2.8	R	SS+	IANWb	SDSE
L 2887 R2X	RRX	2.8	R	SS+	IANWb NENE	IASCb NCNL
SDSE						
L 2894 E3	E3	2.8	R	SS+	IANCb NENE	IASCb NCNL
SDSE						
L 3192 E3	E3	3.1	R	SS+	NENE	
L 3197 R2X	RRX	3.1	R	SS+	IASCb	NENE
L 3329 E3	E3	3.3	R	SS+	NENE	
L 3448 R2X	RRX	3.4	R	SS+	NENE	

Harvest reports will identify company as shown in bold.

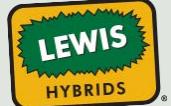
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† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
LEGEND Legend Seeds, Inc.						
http://www.legendseeds.net						
PO Box 241, De Smet SD 57231						
(800) 678-3346						
19E152N GC	E3	1.9	NA	YPP	MNSCb	MNSOa
LEWIS Lewis Hybrids [Bayer CropScience]						
http://www.lewishybrids.com						
530 W. Maple Ave., Ursa IL 62376						
(217) 964-2131						
3682X	RRX	3.6	R	na	MONOa	
3803X	RRX	3.8	MR	na	MOCE	MONOb
4182X	RRX,ST	4.1	R	na	MOCE	MONOb
4393X	RRX,ST	4.3	R	na	MOCE	MONOb
4572X	RRX,ST	4.5	R	na	MOCE	
LG SEEDS LG Seeds [AgReliant Genetics, LLC]						
http://www.lgseeds.com						
22827 Shissler Rd., Elmwood IL 61529						
(800) 752-6847						
100RX GC	RRX	1.0	R	na	MNNCb	
1550RX GC	RRX	1.5	R	na	MNNCb	SDNE
1550RX §	RRX	1.5	R	na	MNCEa	
1834RX GC	RRX	1.8	R	na	MNCEb	
C1000RX GC	RRX	1.0	NA	na	SDNE	
C1838RX GC	RRX	1.8	R	na	SDEC	
C2888RX GC	RRX	2.8	R	ASFi,IL	PASE	
LGS3060RX GC	RRX	3.0	NA	na	ILNC	
LGS3202RX GC	RRX	3.2	NA	ASFi,IL	ILSC	PASE
LGS3777RX GC	RRX	3.7	R	ASFi,IL	PASE	
LGS3840RX	RRX	3.8	NA	ASFi,IL	DMNO	
LGS4632RX	RRX	4.6	NA	ASFi,IL	DMNO	
LOCAL SEED Local Seed Company, LLC						
http://www.localseed.com						
802 Rozelle St., Memphis TN 38104						
(901) 260-6000						
LS3005E3	E3	3.0	R	RP	INCE	INNO OHNW
LS3205GL	LG27	3.2	R	RP	INCE	INNO OHNW
LS3207XS	RRX,ST	3.2	R	RP	INCE	INNO OHNW
LS3606GL	LG27	3.6	R	RP	INCE	PASE
LS3906GL	LG27	3.9	R	RP	DMNO	
LS3976X	RRX	3.9	R	RP	DMNO	
LS4299XS	RRX,ST	4.2	R	RP	DMNO	
LS4407X	RRX	4.4	R	RP	DMNO	

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
LS4607XS	RRX,ST	4.6	R	RP	DMNO	
LS4706GL	LG27	4.7	R	RP	DMNO	
LS4795XS	RRX,ST	4.7	R	RP	DMNO	
ZS2898GL	LG27	2.8	R	RP	INCE PASE	INNO OHNW
ZS3496GL	LG27	3.4	R	RP	INCE PASE	INNO OHNW
ZS3898E3S	E3	3.8	R	RP	INCE	PASE
ZS4694E3S	E3	4.6	R	RP	DMNO	
LOYAL M.S. Technologies, L.L.C.						
http://www.mstechseed.com/ 103 Avenue D, West Point IA 52656 (800) 362-2510						
 LOYAL BRAND						
LO320E	E3	0.3	R	CMBV,SA	RRCE	RRNO
L0830E	E3	0.8	R	CMBV,SA	MNNCa	RRCE
L1030E	E3	1.0	R	CMBV,SA	MNNCb	RRSOa
L1320E	E3	1.3	R	CMBV,SA	MNCEa	MNNCb
					RRSOb	SDNE
L1430E	E3	1.4	R	CMBV,SA	MNCEa	MNNCb
					SDNE	MNSCa
L1930E	E3	1.9	R	CMBV,SA	MNCEb	MNNCb
					SDEC	MNSOa
L2130E	E3	2.1	R	CMBV,SA	IANWa	MNNCb
					NCNL	MNSOb
					SDEC	SDSE
					WISO	
MID-ATLANTIC Mid-Atlantic Seeds, Inc.						
http://www.midatlanticseeds.com/ 204 St. Charles Way #163E, York PA 17402 (800) 854-6251						
 Mid-Atlantic Seeds <i>... because every bushel counts.</i>						
MAS2920E3	E3	2.9	NA	PS	PASE	
MAS3220E3	E3	3.2	NA	PS	PASE	
MAS3600E3/STS	E3	3.6		PS	PASE	
MAS3717GT	E3	3.7	NA	PS	PASE	
MAS4077GT/STS	RR,ST	4.0	NA	PS	DMNO	
MAS4355NRR2/STS	RR2Y,ST	4.3	MR	PS	DMNO	
MAS4666GT	GT	4.6	NA	PS	DMNO	
MIDLAND GENETICS Midland Genetics						
https://midlandgenetics.com/ 1906 Kingman Rd, Ottawa KS 66067 (800) 819-7333						
 midland GENETICS						
3231 E3	E3	3.2	MR	na	NESE	
3261X	RRX	3.2	R	na	MONOa	NESE
3537NX	RRX	3.5	R	na	MONOa	NESE
3711XS	RRX,ST	3.7	R	na	MONOa	NESE
3930NXS	RRX,ST	3.9	R	na	KSEC	MOCE
					NESE	MONOb

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
3930NXS GC	RRX,ST	3.9	R	na	KSNE	
3999 E3	E3	3.9	R	na	KSEC	MOCE
					NESE	MONOb
4140NXS	RRX,ST	4.1	R	na	KSEC	MOCE
4251X	RRX	4.2	MR	na	KSEC	MOCE
4260E3S	E3,ST	4.2	MR	na	KSEC	MOCE
4488NXS	RRX,ST	4.4	R	na	KSEC	MOCE
4677NXS	RRX,ST	4.6	R	na	KSEC	
MORSOY MorSoy [MFA, Inc.]						
https://seed.mfa-inc.com/ 201 Ray Young Dr., Columbia MO 65201 (573) 874-5111						
 MORSOY SEED						
MS 3907	RRX	3.9	R	PS	DMNO	
MS 4616	RRX	4.6	R	PS	DMNO	
MS 4800	E3	4.8	R	PS	DMNO	
MS 4846	RRX	4.8	R	PS	DMNO	
NK BRAND NK Brand [Syngenta]						
http://www.nkseeds.com/ 2001 Butterfield Road – Suite 1600, Downers Grove IL 60515 (800) 258-0521						
 NK						
S007-Y4 §	RR2Y	00.5	S	CMBV,SA	RRNO	
S008-E3	E3	00.8	MR	CMBV,SA	RRNO	
S01-C4X §	RRX	0.1	S	CMBV,SA	RRNO	
S02-E3	E3	0.2	S	CMBV,SA	RRNO	
S02-F9X	RRX	0.2	S	CMBV,SA	RRNO	
S03-E3	E3	0.3	MR	CMBV,SA	RRNO	
S03-S6X	RRX	0.3	S	CMBV,SA	RRNO	
S04-K9 GC	CONV	0.4	R	VIM,NO	MNSCa	
S04-Q7X	RRX	0.4	MR	CMBV,SA	RRCE	RRNO
S05-2E3 §	E3	0.5	S	CMBV,SA	RRCE	
S05-E3	E3	0.5	MR	CMBV,SA	RRCE	
S05-N5X §	RRX	0.5	S	CMBV,SA	RRCE	
S07-E3	E3	0.7	MR	CMBV,SA	RRCE	
S07-Q4X	RRX	0.7	MR	CMBV,SA	RRCE	
S07-Q4X §	RRX	0.7	MR	CMBV,SA	MNNCa	RRSOa
S09-3E3	E3	0.9	NA	CMBV,SA	MNNCa	RRCE
S09-D4X	RRX	0.9	S	CMBV,SA	RRCE	RRSOa
S09-D4X §	RRX	0.9	S	CMBV,SA	MNNCa	
S10-E3	E3	1.0	R	CMBV,SA	MNNCb	RRSOa
S12-R3	RR2Y	1.2	R	CMBV,SA	RRSOb	
S12-T2X	RRX	1.2	MR	CMBV,SA	MNNCb	RRSOb
S13-E3	E3	1.3	MR	CMBV,SA	MNCEa	MNNCb

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† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.† Mat.	SCN	STrtt	Region(s) Tested		
S13-E3 §	E3	1.3	MR	CMBV,SA	RRSob	
S14-U9X	RRX	1.4	MR	CMBV,SA	MNNCb	MNSCa RRSob
S14-U9X §	RRX	1.4	MR	CMBV,SA	MNCEa	SDNE
S15-3E3	E3	1.5	R	CMBV,SA	MNNCb	
S16-K2X	RRX	1.6	MR	CMBV,SA	IANOa	MNCEa MNSCa
					MNSOa	SDEC SDNE
S18-H3X	RRX	1.8	R	CMBV,SA	WISO	
S18-R6 GC	CONV	1.8	R	Untreated	MNSCa	
S19-2E3	E3	1.9	R	CMBV,SA	MNSOa	
S19-2E3 §	E3	1.9	R	CMBV,SA	MNCEb	
S20-E3	E3	2.0	MR	CMBV,SA	MNCEb	
S20-J5X	RRX	2.0	R	CMBV,SA	IANOa	MNCEb
S20-J5X §	RRX	2.0	R	CMBV,SA	MNSCb	MNSOb SDEC
					WISO	
S21-W8X	RRX	2.1	R	CMBV,SA	IANOa	
S21-W8X §	RRX	2.1	R	CMBV,SA	IANCa	IANWa MNSCb
					MNSOb	NCSL SDSE
					WISO	
S23-G5X	RRX	2.3	MR	CMBV,SA	IANCa	IANOb IANWa
					IASCa	MNSOb NCSL
					SDEC	SDSE WISO
S25-2E3	E3	2.5	NA	CMBV,SA	OHNW	
S25-V8X	RRX	2.5	MR	CMBV,SA	IANCa	NCSL WISO
S25-V8X §	RRX	2.5	MR	CMBV,SA	IANOb	SDSE
S27-M8X	RRX	2.7	R	CMBV,SA	IANCb	WISO
S27-M8X §	RRX	2.7	R	CMBV,SA	IANWb	IASCa IASO
					ILNO	NCSL PASE
S28-E3	E3	2.8	MR	CMBV,SA	IANWb	IASCb ILNO
					INNO	OHNW
S28-E3 §	E3	2.8	MR	CMBV,SA	IANCb	IASO NENE
S30-E3	E3	3.0	R	CMBV,SA	IASO	ILNO
S30-M9X	RRX	3.0	R	CMBV,SA	IASO	NCSL
S30-M9X §	RRX	3.0	R	CMBV,SA	ILNC	ILNO NENE
S31-E3S	E3,ST	3.1	MR	CMBV,SA	IASCb	
S31-E3S §	E3,ST	3.1	MR	CMBV,SA	INNO	NESE OHNW
S31-Y2X	RRX	3.1	R	CMBV,SA	ILNO	
S31-Y2X §	RRX	3.1	R	CMBV,SA	ILNC	INNO
S33-2E3	E3	3.3	NA	CMBV,SA	ILNC	ILNO INNO
S33-2E3 GC	E3	3.3	NA	CMBV,SA	ILSC	
S33-2E3 §	E3	3.3	NA	CMBV,SA	INCE	OHNW
S33-D7X	RRX	3.3	R	CMBV,SA	DMNO	OHNW
S33-D7X §	RRX	3.3	R	CMBV,SA	PASE	
S35-E3	E3	3.5	R	CMBV,SA	IASO	ILNC ILSC
					MOCE	

Brand‡	Tech.† Mat.	SCN	STrtt	Region(s) Tested		
S35-E3 GC	E3	3.5	R	CMBV,SA	ILSO	
S35-E3 §	E3	3.5	R	CMBV,SA	MONOa	NESE
S35-K9X	RRX	3.5	R	CMBV,SA	ILNC	MONOa
S35-K9X §	RRX	3.5	R	CMBV,SA	DMNO	ILSC INCE
					PASE	
S36-E3	E3	3.6	MR	CMBV,SA	INCE	
S37-2E3S	E3,ST	3.7	MR	CMBV,SA	IASO	ILNC ILSC
					ILSO INCE	KSNE MOCE
					MONOa	PASE
S37-2E3S §	E3,ST	3.7	MR	CMBV,SA	DMNO	KSEC
S39-E3	E3	3.9	MR	CMBV,SA	ILSC	ILSO MONOb
S39-E3 §	E3	3.9	MR	CMBV,SA	KSNE	MOCE
S39-G2X	RRX	3.9	R	CMBV,SA	ILSC	KSEC
S39-G2X §	RRX	3.9	R	CMBV,SA	DMNO	ILSO KSNE
					MOCE	MONOb
S42-B9XS	RRX,ST	4.2	R	CMBV,SA	ILSC	
S42-B9XS GC	RRX,ST	4.2	R	CMBV,SA	ILSO	
S42-B9XS §	RRX,ST	4.2	R	CMBV,SA	KSEC	
S42-E3	E3	4.2	NA	CMBV,SA	MONOb	
S42-E3 §	E3	4.2	NA	CMBV,SA	MOCE	
S43-E3	E3	4.3	MR	CMBV,SA	ILSO	
S44-2E3	E3	4.4	NA	CMBV,SA	MOCE	
S45-Z5XS	RRX,ST	4.5	R	CMBV,SA	ILSO	
NORTHSTAR NorthStar Genetics, Ltd.						
http://www.northstargenetics.com						
217 Main St., Wanamingo MN 55983						
(507) 824-2878						
NS 60264NXR2	RRX	0.2	MR	na	RRNO	
NS 90094E3	E3	0.1	S	na	RRNO	
NS 90334E3	E3	0.3	S	na	RRNO	
NUPRIDE GENETICS NuPride Genetics Network						
http://www.necrop.org/SOYBEANS.htm						
P.O Box 830911, Lincoln NE 68583-0911						
(402) 472-1444						
NGN9369R2X GC	RRX	3.6	R	na	KSNE	NESE
NGN9370E3 §	E3	3.7	R	na	KSNE	
NUTECH NuTech Seed, LLC [Corteva Agriscience]						
http://www.nutechseed.com						
201 Knollwood Dr., Champaign IL 61820						
(888) 647-3478						
16N03E	E3	1.7	R	Lum,IL	IANOa	MNSOa
20N03E	E3	2.0	R	Lum,IL	IANOa	MNSOb
20N04E	E3	2.0	R	Lum,IL	IANOa	MNSOb
22N02E	E3	2.2	R	Lum,IL	IANCa	IANOb MNSOb

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§ - United Soybean Board (USB) sponsored entry

† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested		
24N02E	E3	2.4	R	Lum,Lu,IL ILNO	IANCa	IANOb	IASCa
24N04E	E3	2.4	R	Lum,Lu,IL ILNO	IANCa	IANOb	IASCa
26N04E	E3	2.6	R	Lum,Lu,IL ILNO	IANCb	IASCa	IASO
28N02E	E3	2.8	R	Lum,Lu,IL ILNC	IASCb	IASO	INCE
30N03E	E3	3.0	R	na	IASCb	IASO	ILNC
31N06E	E3	3.1	R	na	IASCb	IASO	ILNC MONOa
34N06E	E3	3.4	R	na	IASO	ILNC	ILSC
35N03E	E3	3.5	R	na	IASO	ILNC	ILSC MOCE
36N03E	E3	3.6	R	na	IASO	ILNC	ILSC MOCE
39N04E	E3	3.9	R	na	ILSC MONOb	ILSO	MOCE
41N03E	E3	4.1	R	na	ILSC MONOb	ILSO	MOCE
43N04E	E3	4.3	R	na	ILSO	MOCE	MONOb
45N04E	E3	4.5	R	na	ILSO	MOCE	
P3 GENETICS M.S. Technologies L.L.C.							
http://www.mstechseed.com							
103 Avenue D, West Point IA 52656							
(800) 362-2510							
							
1924E	E3	2.4	R	PG+	IANCa	IANOb	WISO
1928E	E3	2.8	R	PG+	IANCb	NCSL	
2023E	E3	2.3	R	PG+	IANCa	IANOb	WISO
2029E	E3	2.9	R	PG+	IASCb	IASO	ILNO
2034E	E3	3.4	R	PG+	IASO	ILNC	
2119E	E3	1.9	R	PG+	IANOa		
2121E	E3	2.1	R	PG+	IANOa	WISO	
2126E	E3	2.6	R	PG+	IANCb	IASCa	NCSL
2131E	E3	3.1	R	PG+	IASO	ILNO	
2136E	E3	3.6	R	PG+	IASO	ILNC	
PARTNERS BRAND Partners Brand [Langdon Brothers Seed]							
http://www.partnersbrandseed.com							
4610 E SR 120, Howe IN 46746							
(877) 790-0016							
PB2921E3	E3	2.9	MR	A2020	INNO		
PB3321E3	E3	3.3	MR	A2020	INCE	INNO	OHNW

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† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested		
PB3419E3	E3	3.4	MR	A2020	INCE	INNO	OHNW
PB3720E3	E3	3.7	MR	A2020	INCE		
PIONEER DuPont Pioneer [Corteva Agriscience]							
http://www.pioneer.com							
PO Box 454, Johnston IA 50131 (800) 247-6803							
							
P09A53X GC	RRX	0.9	NA	na	RRCE	SDNE	
P09A53X §	RRX	0.9	NA	na	MNNCa		
P11A44X CK	RRX	1.1	R	na	RRSOa	RRSOb	
P11A44X GC	RRX	1.1	R	na	SDNE		
P11A44X §	RRX	1.1	R	na	MNNCb		
P15A88X GC	RRX	1.5	R	na	SDNE		
P15A88X §	RRX	1.5	R	Lum,Lu	MNCEa	MNNCb	MNSCa
P18A98X GC	RRX	1.8	R	Untreated	IANOa	SDEC	
P18A98X §	RRX	1.8	R	Lum	IANWa	MNCEb	MNSCa
P20T64E GC	E3	1.9	R	na	MNCEb	SDEC	
P20T64E §	E3	1.9	R	Untreated	MNSOb		
P21A28X GC	RRX	2.1	R	na	SDSE		
P21A28X §	RRX	2.1	R	Lum,Lu	MNSCb	MNSOb	WISO
P22T86E §	E3	2.2	R	Untreated	IANOb	IANWa	
P23A15X §	RRX	2.3	R	na	NCSL	WISO	
P24A80X GC	RRX	2.4	R	na	ILNO		
P24A80X §	RRX	2.4	R	na	NCSL	WISO	
P25A04X GC	RRX	2.5	R	Lum	IANWb	IASCa	IASO
P25A04X §	RRX	2.5	R	Lum	IANCa	IANOb	ILNO
P25T09E GC	E3	2.5	R	Untreated	IANWb		
P25T09E §	E3	2.5	R	Untreated	IANOb		
P27A17X §	RRX	2.7	R	Untreated	IANCb	IANWb	ILNO
P27A17X §	RRX	2.7	R	Untreated	IANCb	IANWb	ILNO
P28A42X CK	RRX	2.8	NA	na	IASCa	IASCb	
P28A42X GC	RRX	2.8	NA	na	IASO		
P28A42X §	RRX	2.8	NA	Untreated	INNO	OHNW	
P28T14E GC	E3	2.8	R	Untreated	IANWb		
P28T14E §	E3	2.8	R	Lum,IL	IANCb	NENE	PASE
P29A25X GC	RRX	2.9	R	na	IASCb	IASO	
P31A22X §	RRX	3.1	R	na	ILNC	ILNO	INCE
P31A22X §	RRX	3.1	R	na	OHNW		
P31A95BX §	RRX	3.1	NA	Untreated	OHNW		
P31T64E §	E3	3.1	NA	Lum,IL	PASE		
P32T26E §	E3	3.2	NA	Lum,IL	PASE		
P33A24X §	RRX	3.3	R	Untreated	INNO	OHNW	

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
P33A53X GC	RRX	3.3	R	na	IASCb	IASO
P33A53X §	RRX	3.3	R	na	ILNC	ILSC INCE
P35A33X GC	RRX	3.5	R	na	IASO	
P36A83X GC	RRX	3.6	R	na	INCE	MOCE MONOa
P36A83X §	RRX	3.6	R	na	ILNC	ILSC ILSO
P37A27X GC	RRX	3.7	MR	na	MOCE	MONOa
P38A98X CK	RRX	3.8	R	na	MONOa	MONOb
P39A58X §	RRX	3.9	R	Untreated	DMNO	ILSC ILSO
P40A47X GC	RRX	4.0	R	na	MOCE	
P40A47X §	RRX	4.0	R	na	ILSO	
P42A96X §	RRX	4.2	MR	Untreated	DMNO	
P46A93X §	RRX	4.6	NA	na	KSEC	
P48A60X §	RRX	3.8	NA	Untreated	DMNO	
PROSEED Proseed, Inc.						
http://www.proseed.net						
705 E. Brewster, Harvey ND 58341						
(800) 776-3121						
PROSEED						
EL 80-093	E3	00.9	S	na	RRNO	
EL20-73	E3	0.7	R	na	MNNCa	RRCE RRSOa
EL21-03	E3	1.0	R	na	MNNCb	RRSOa SDNE
EL21-23	E3	1.2	R	na	MNNCb	RRSOb SDNE
EL90-33N	E3	0.3	R	na	RRNO	
EL90-53N	E3	0.5	R	na	RRCE	
EL91-33	E3	1.3	R	na	MNCEa	MNNCb RRSOb
					SDNE	
XT20-07	RRX	0.1	R	na	RRNO	
XT20-70	RRX	0.7	R	na	RRCE	
XT80-20N	RRX	0.2	R	na	RRCE	RRNO
PROSEEDS PROSeeds [SEVITA INTERNATIONAL]						
https://sevita.com/						
11451 Cameron Rd., Inkerman Ontario K0E 1J0						
(613) 989-3000						
SKYLINE GC	CONV	None	R	Untreated	MNSCa	
RENK Renk Seed Co.						
http://www.renkseed.com						
6809 Wilburn Rd., Sun Prairie WI 53590						
(800) BUY-RENK						
RS100NX	RRX	1.0	R	EcTC	RRSOa	SDNE
RS149NX	RRX	1.4	R	EcTC	MNCEa	SDNE
RS149NX GC	RRX	1.4	R	EcTC	MNNCb	
RS150NX	RRX	1.5	R	EcTC	MNCEa	MNSCa SDNE
RS150NX GC	RRX	1.5	R	EcTC	MNNCb	
RS181NX	RRX	1.8	R	EcTC	IANOa SDEC	MNSCa MNSOa WISO

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested			
RS248NX	RRX	2.4	R	EcTC,SA	IANCa	IANOb IANWa		
					IASCa	ILNO NCSL		
					SDSE	WISO		
RS250NX	RRX	2.5	R	EcTC,SA	IANCa	IANOb IANWb		
					IASCa	ILNO NCSL		
					SDSE	WISO		
RS280NX	RRX	2.8	R	EcTC,SA	IANCb	IANWb IASCb		
					IASO	ILNO		
					ILNC	NENE		
RS301NX	RRX	3.1	R	EcTC,SA	IASCb	IASO ILNC		
					ILNO			
RS357NX	RRX	3.5	R	EcTC,SA	IASO	ILNC NESE		
					KSNE			
RS379NSX	RRX	3.7	R	EcTC,SA	ILNC	ILSC KSNE		
					NESE			
RS379NSX §	RRX	3.7	R	EcTC,SA	KSEC			
RUPP Rupp Seeds, Inc.								
http://www.ruppsseeds.com								
17919 County Rd. B, Wauseon OH 43567								
(877) 591-7333								
Rupp								
28BG90	G27	2.8	NA	na	OHNW			
33XT32	RRX	3.3	NA	na	OHNW			
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								
SEED CONSULTANTS								
								
SC 7280E	E3	2.8	NA	Lum,IL	PASE			
SC 7311E	E3	3.1	NA	Lum,IL	PASE			
SC 7341E	E3	3.4	NA	Lum,IL	PASE			
SC 7361E	E3	3.6	NA	Lum,IL	PASE			
SC 7381E	E3	3.8	NA	Lum,IL	DMNO	PASE		
SC 7390E	E3	3.9	NA	Lum,IL	DMNO			
SC 7421E	E3	4.2	NA	Lum,IL	DMNO			
SC 7461E	E3	4.6	NA	Lum,IL	DMNO			
SC 8459X	RRX	4.5	MR	Lum,IL	DMNO			
SEEDWAY Seedway, LLC								
https://www.seedway.com/								
1734 Railroad Place, Hall NY 14463								
(800) 836-3710								
SEEDWAY								
2832	RRX	2.8	R	AC	PASE			
3393	E3	3.3	MR	AC	PASE			
3445	RRX	3.4	R	AC	PASE			
3566	RRX	3.5	MR	AC	PASE			

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Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019
Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
STINE Stine Seed Company http://www.stinseed.com 22555 Laredo Trail, Adel IA 50003 (800) 362-2510						
01EA63 §	E3	0.1	S	na	RRNO	
03EB02 §	E3	0.3	R	na	RRCE	RRNO
06EC23 §	E3	0.6	R	na	MNNCa	RRCE
09EA02 §	E3	0.9	R	na	MNNCa	RRCE
10EC20 §	E3	1.0	R	na	MNNCb	RRSOa
12EB32 §	E3	1.2	R	na	MNCEa	SDNE
13EA12 §	E3	1.3	R	na	MNCEa	SDNE
14EB26 CK	E3	1.4	R	na	MNNCa	MNNCb
14EB26 §	E3	1.4	R	na	MNCEa	SDNE
16EC32 §	E3	1.6	R	VFI,SA	MNSCa	
19EA32 CK	E3	1.9	R	na	MNCEa	MNCEb
19EA32 §	E3	1.9	R	VFI,SA	MNSCb	MNSOa
					SDSE	SDEC
19EC32 §	E3	1.9	R	VFI,SA	IANWa	MNSCb
					WISO	SDEC
19GB62 §	G27	1.9	R	na	NCSL	SDEC
					WISO	SDSE
21EA32 §	E3	2.1	R	na	IANCa	IANOa
					NCSL	MNSOb
23EA32 §	E3	2.3	R	VFI,SA	IANCa	IANOb
					INNO	MNSOb
24EA12 §	E3	2.4	R	VFI,SA	IANOb	IASCa
					NCSL	ILNO
					OHNW	
26EB23 §	E3	2.6	R	VFI,SA	IANwb	IASCa
					ILNO	IASO
					NENE	
27EC20 §	E3	2.7	R	VFI,SA	IANcb	IANwb
					NENE	ILNO
28EA02 §	E3	2.8	NA	YPP,T	INNO	OHNW
28EC32 §	E3	2.8	R	VFI,SA	IASCb	INCE
					NENE	
30EB32 GC	E3	3.0	NA	na	INCE	
33EC02 §	E3	3.3	R	VFI,SA	IASO	ILNC
					INNO	ILSC
					NESE	SDEC
					PASE	
36EB32 §	E3	3.6	R	VFI,SA	ILNC	ILSC
					INCE	ILSO
					MOCE	
					MONOa	NESE
					PASE	
37EC20 §	E3	3.7	R	VFI,SA	ILSC	ILSO
					MOCE	INCE
40EB20 §	E3	4.0	NA	na	ILSO	MOCE
40EB22 §	E3	4.0	R	VFI,SA	DMNO	KSEC
43EB20 GC	E3	4.3	R	na	ILSC	ILSO

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested	
43EB20 §	E3	4.3	R	VFI,SA	DMNO	KSEC
					MONO ^b	KSNE
STONE Stone Seed [Bayer CropScience] http://www.stoneseed.com 5965 W. State Rd. 97, Pleasant Plains IL 62677 (217) 546-8006						
46EB22 §	E3	4.6	R	VFI,SA	DMNO	KSEC
THUNDER Thunder Seed, Inc. http://www.thunderseed.com 806 Center Ave. W, Dilworth MN 56529 (888) 684-8633						
ASTRO	RR2Y	00.8	S	na	RRNO	
SB8001	RRX	0.1	S	na	RRNO	
SB8009N	RRX	0.9	R	na	MNNCa	RRSOa
SB8010N	RRX	1.0	R	na	MNNCb	RRSOa
SB8012N	RRX	1.2	R	na	MNNCb	RRSO ^b
SB8015N	RRX	1.5	R	na	MNCEa	SDNE
SB8104N	RRX	0.4	R	na	RRCE	RRNO
SB87009	RRX	00.9	S	na	RRNO	
SB8805N	RRX	0.5	R	na	RRCE	
SB8807N	RRX	0.7	R	na	MNNCa	RRCE
SB8818N	RRX	1.8	R	na	MNCEb	SDEC
SB8903N	RRX	0.3	R	na	RRCE	RRNO
SB8906N	RRX	0.6	R	na	MNNCa	RRCE
TE7003N	E3	0.3	R	na	RRCE	RRNO
TE7005N	E3	0.5	R	na	RRCE	
TE7011N	E3	1.1	R	na	MNNCb	RRSO^b
TE7013N	E3	1.3	R	na	MNCEa	RRSO^b
TE71008N	E3	00.8	R	na	RRNO	
TE7101N	E3	0.1	R	na	RRNO	
TE7107N	E3	0.7	R	na	MNNCa	RRCE
TE7110N	E3	1.0	R	na	MNNCb	RRSOa
TE7117N	E3	1.7	R	na	MNCEb	SDEC
TE7119N	E3	1.9	R	na	MNCEb	SDEC

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Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested
TITAN PRO Titan Pro SCI, Inc. http://www.titanprosci.com 1301 S. 24th St., Clear Lake IA 50428 (641) 357-7283					Titan^{pro}
07E0	E3	0.7	R	na	RRCE
10E0	E3	1.0	R	na	RRSoa
13E9	E3	1.3	R	na	MNCEa RRSob
13GL0	LG27	1.3	R	na	MNCEa MNNCb RRSob
15E0	E3	1.5	R	SA,A,R,G	MNCEa MNNCb MNSCa MNSOa
15GL9	LG27	1.5	R	SA,A,R,G	MNCEa MNNCb MNSCa SDNE
17E0	E3	1.7	R	SA	IANOa MNCEb MNSCa MNSOa SDEC SDNE WISO
18E9	E3	1.8	R	SA	IANOa MNCEb MNSCa MNSOa WISO
19E0	E3	1.9	R	SA	IANOa IANWa MNCEb MNSCb MNSOa SDEC WISO
20E9	E3	2.0	R	SA	IANWa MNCEb MNSCb MNSob WISO
21E0	E3	2.1	R	SA	IANCa IANOa IANWa MNSCb MNSOa NCNL SDSE WISO
22E8	E3	2.2	R	SA	IANCa IANOb IANWa MNSCb MNSob NCNL SDEC WISO
25E0	E3	2.5	R	SA	IANCa IANOb IANWb IASCa NCNL WISO
28E8	E3	2.8	R	SA	IANCb IANWb IASCb IASO NCSL SDSE
30E9	E3	3.0	R	na	IASCb IASO
33E0	E3	3.3	R	na	IASO
37E9	E3	3.7	R	na	IASO
VIKING Albert Lea Seed House, Inc. http://www.alseed.com 1414 W. Main St., Albert Lea MN 56007 (800) 352-5247					
1518N	CONV	1.5	MR	Untreated	MNSCa
1940KN	CONV	1.9	R	AM	MNNCb MNSOa
2018N	CONV	2.0	MR	CMBV	IANOa MNSCb MNSOb
2155N	CONV	2.1	MR	CMBV	IANOa MNSCb MNSOb
2340KN	CONV	2.3	R	CMBV	IANOb MNSOb
2418N	CONV	2.4	MR	CMBV	IANOb

Brand‡	Tech.†	Mat.	SCN	STrtt	Region(s) Tested
WYCKOFF Wyckoff Hybrids, Inc. http://www.wyckoffhybrids.com 594 E 400 N, Valparaiso IN 46383 (219) 462-6716					
W2521 E3	E3	2.5	NA	na	INNO
W2606CX2	RRX,ST	2.6	R	na	INNO
W2704PX2	RRX	2.8	NA	na	INNO
W2819E3	E3	2.8	R	na	INNO
W3121 E3	E3	3.1	NA	na	INNO
W3306CX2	RRX,ST	3.3	R	na	INNO
W3321 E3	E3	3.3	NA	na	INNO
W3621 E3	E3	3.4	NA	na	INNO
ZINESTO M.S. Technologies L.L.C. http://www.zinestoseed.com/ 103 Avenue D, West Point IA 52656 (800) 362-2510					
Z0200E	E3	0.2	R	na	RRNO
Z0400G	LG27	0.4	S	na	RRNO
Z0501E	E3	0.5	R	na	RRCE
Z0601E	E3	0.6	R	na	MNNCa RRCE RRSOa
Z0701E	E3	0.7	R	na	MNNCa RRCE RRSOa
Z0801E	E3	0.8	R	na	RRCE RRSOa
Z1001E	E3	1.0	R	na	MNNCb RRSOa SDNE
Z1101E	E3	1.1	R	na	MNNCb RRSOb SDNE
Z1301G	LG27	1.3	R	na	MNCEa MNNCb RRSOb SDNE
Z1400E	E3	1.4	R	na	MNCEa MNNCb SDNE
Z1401E	E3	1.4	R	na	RRSOb
Z1601E	E3	1.6	R	DST	MNCEa MNSCa MNSOa SDEC SDNE
Z1701G	LG27	1.7	R	DST	MNCEb MNSCa MNSOa SDEC SDNE
Z1801E	E3	1.8	R	DST	IANOa MNCEb MNSOa SDEC
Z1900E	E3	1.9	R	DST	MNSCb
Z2001E	E3	2.0	R	DST	IANOa IANWa MNCEb MNSCb MNSOb SDEC
Z2101E	E3	2.1	R	DST	IANCa IANOa MNSCb MNSOb NCNL SDSE
Z2101G	LG27	2.1	R	DST	IANWa MNSCb SDSE
Z2401E	E3	2.4	R	DST	IANCa IANOb IANWa ILNO NCNL SDSE
Z2501E	E3	2.5	R	DST	IANCa IANOb IANWb ILNO NCNL SDSE
Z2701E	E3	2.7	R	DST	IANCb IANWb ILNO NENE SDSE

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Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Brand‡	Tech.† Mat.	SCN	STrtt	Region(s) Tested	
Z2900E	E3	2.9	R	DST	IANC ^b NENE
Z3001E	E3	3.0	R	DST	ILNC NENE
Z3101E	E3	3.1	R	DST	ILNC ILNO NENE NESE
Z3111E	E3	3.1	R	DST	ILNC ILNO NENE NESE
Z3301E	E3	3.3	R	na	ILNC NESE
Z3501E	E3	3.5	R	na	ILNC NESE

Soybean Seed Technology Key

CODE	DESCRIPTION
E	Enlist (2,4-D, glyphosate)
E3	Enlist E3™ (2,4-D, glyphosate, LL)
G27	GT27 (glyphosate, isoxaflutole)
LG27	LibertyLink® GT27™
LL	LibertyLink®
LL,ST	LibertyLink®, sulfonylurea tolerant
None	no trait, conventional
P	Plenish® (glyphosate, high oleic)
RR	glyphosate tolerant (formerly Roundup Ready)
RR,ST	glyphosate and sulfonylurea tolerant
RR2Y	Roundup Ready 2 Yield®
RR2Y,ST	Roundup Ready 2 Yield®, sulfonylurea tolerant
RRX	Roundup Ready 2 Xtend®
RRX,ST	Roundup Ready 2 Xtend®, sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

CODE	SOYBEAN CYST NEMATODE DESCRIPTION
NA	information is not available
S	susceptible
MR	moderate resistance
R	resistant

Brand‡	Tech.† Mat.	SCN	STrtt	Region(s) Tested	
Z3501E GC	E3	3.5	R	na	ILSO

Harvest reports will identify company as shown in bold.

‡ Suffix GC = grower comparison, CK = check,

§ - United Soybean Board (USB) sponsored entry

† See page 20 for abbreviation descriptions

Products and Regions in **BOLD** identify varieties tested in both 2020 & 2019

Regions in **Red** identify products that placed in the regional Top 30 in 2019

Soybean Seed Treatment Key

ABBREVIATION	DESCRIPTION
na	not available
A2020	Alert 2020 (Partners Brand Seed)
AC	Acceleron®, unspecified
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO™
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Salto
ACi,SA,B-200	Acceleron® Standard fungicide + insecticide, Salto, Acceleron® B-200 SAT (Dry Seed Finisher)
AM	ApronMaxx®
ASfi,IL	AgriShield F+I, ILeVO™, inoculant
BPS-SDS	Burrus PowerShield® SDS
CMB,EX	CruiserMaxx Beans®, Excalibre-SA™
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx®, Vibrance®, Salto
DST	Dominance 2 ST
EQV,SA	Equity VIP, Salto
EX	Excalibre-SA™ (ABM)
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salto
HCS	Hefty Complete Soybeans
IS,Ri	Intego Suite, Rizolex
Lum	LumiGEN™
Lum,IL	LumiGEN™ plus ILeVO™
Lum,Lu	LumiGEN, Lumisena™
Lum,Lu,IL	LumiGEN, Lumisena™, ILeVO™
PG+	Profit Guard +
PS	MAS Pro-Shield
PV,IL	Poncho®/Votivo®, ILeVO™
PV,IL,OB	Poncho®/Votivo®, ILeVO™, Obvius Plus
RP	Radius Premium (Local Seed Co)
SA	Salto®
SA,A,R,G	Salto®, Allegiance FL, Redigo 480, Gaucho 600
SS	SoyShield
SS+	SoyShield Plus
Treated	Treated, unspecified
Untreated	No seed treatment
VFI,SA	Virile Fungicide+Insecticide, Salto® (BCS Consulting)
ViM,NO	Vibrance Maxx, Nodulator Pro
W	Warden® CX
YPP	YP Pro™, QuickRoots
YPP,T	YP Pro™, Trilex®

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State	Region		Manager	Entries per Test		Maturity Range per Test	
				All/Early	Early	All/Early	Full
DE/MD	DMNO	Delaware Maryland North	Kauffman	48	--	3.7 - 4.7	--
IA	IANC	Iowa North Central	Rozenboom	48	42	2.1 - 2.5	2.6 - 2.9
IA	IANO	Iowa North	Rozenboom	54	45	1.7 - 2.1	2.2 - 2.5
IA	IANW	Iowa Northwest	Rozenboom	42	42	1.9 - 2.4	2.5 - 2.8
IA	IASC	Iowa South Central	Meinsma	42	42	2.3 - 2.7	2.8 - 3.2
IA	IASO	Iowa South	Meinsma	84	--	2.5 - 3.6	--
IL	ILNC	Illinois North Central	Roux	72	--	2.8 - 3.8	--
IL	ILNO	Illinois North	Beyers	72	--	2.4 - 3.3	--
IL	ILSC	Illinois South Central	Roux	63	--	3.3 - 4.3	--
IL	ILSO	Illinois South	Beyers	54	--	3.5 - 4.5	--
IN	INCE	Indiana Central	Beyers	72	--	2.8 - 3.8	--
IN	INNO	Indiana North	Coey	63	--	2.4 - 3.4	--
KS	KSEC	Kansas East Central	Stuteville	45	--	3.7 - 4.7	--
KS	KSNE	Kansas Northeast	Stuteville	36	--	3.4 - 4.4	--
MN	MNCE	Minnesota Central	Dahle	42	48	1.3 - 1.6	1.7 - 2.0
MN	MNNC	Minnesota North Central	Dahle	28	62	0.6 - 0.9	1.0 - 1.5
MN	MNSC	Minnesota South Central	Querna	48	48	1.5 - 1.8	1.9 - 2.2
MN	MNSO	Minnesota South	Querna	48	48	1.6 - 1.9	2.0 - 2.3
MO	MOCE	Missouri Central	Schelp	54	--	3.5 - 4.5	--
MO	MONO	Missouri North	Schelp	36	36	3.2 - 3.7	3.8 - 4.3
IL/WI	NCSL	North Central State Line	Beyers	72	--	2.1 - 2.9	--
NE	NENE	Nebraska Northeast	Rozenboom	54	--	2.6 - 3.4	--
NE	NESE	Nebraska Southeast	Stuteville	45	--	3.1 - 4.0	--
OH	OHNW	Ohio Northwest	Coey	54	--	2.4 - 3.4	--
PA	PASE	Pennsylvania Southeast	Kauffman	54	--	2.8 - 3.8	--
ND/MN	RRCE	Red River Central North Dakota & Minnesota	Brendemuhl	63	--	0.2 - 0.9	--
ND/MN	RRNO	Red River North North Dakota & Minnesota	Brendemuhl	60	--	0.7 - 0.4	--
ND/MN	RRSO	Red River South North Dakota & Minnesota	Brendemuhl	45	36	0.6 - 0.9	1.0 - 1.4
SD	SDEC	South Dakota East Central	Tollefson	63	--	1.6 - 2.3	--
SD	SDNE	South Dakota Northeast	Tollefson	72	--	1.0 - 1.7	--
SD	SDSE	South Dakota Southeast	Tollefson	54	--	2.1 - 2.8	--
WI	WISO	Wisconsin South	Beyers	72	--	1.8 - 2.5	--

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
Delaware Maryland North [DMNO]							
S2020DMN03	Chestertown, MD	Mason	oat	no-till	5/30	165.0	15
S2020DMN02	Preston, MD	Schmick	corn	no-till	5/25	165.0	15
S2020DMN04	Preston, MD - Double Crop	Schmick	rye	no-till	6/29	165.0	15
S2020DMN01	Westminster, MD	Armagost	corn	no-till	5/29	165.0	15
Iowa North Central [IANC]							
S2020IANC3	Iowa Falls, IA	Aldinger	corn	conventional w/o fall till	5/8	144.0	30
S2020IANC1	Laurens, IA	Roewe	corn	conventional w/o fall till	5/7	144.0	30
S2020IANC2	Moorland, IA	Loehr	corn	conventional w/o fall till	5/12	144.0	30
S2020IANC4	Waterloo, IA	Farms	corn	no-till	5/11	144.0	30
Iowa North [IANO]							
S2020IAN02	Britt, IA	Kirsch	corn	conventional w/ fall till	5/7	144.0	30
S2020IAN01	Lu Verne, IA	Plathe	corn	conventional w/ fall till	5/7	144.0	30
S2020IAN04	New Hampton, IA	Bruening	corn	no-till	5/8	144.0	30
S2020IAN03	Osage, IA	Hemann	corn	minimum w/o fall till	5/8	144.0	30
Iowa Northwest [IANW]							
S2020IANW4	Albert City, IA	Schumann	corn	conventional w/ fall till	5/12	144.0	30
S2020IANW1	Boyden, IA	Vander Veen	corn	conventional w/ fall till	5/13	144.0	30
S2020IANW3	Galva, IA	Andresen	corn	no-till	5/12	144.0	30
S2020IANW2	Hartley, IA	Van Beek	corn	conventional w/ fall till	5/4	144.0	30
Iowa South Central [IASC]							
S2020IASC44	Bayard, IA	Hagan	corn	conventional w/ fall till	5/2	150.0	30
S2020IASC41	Central City, IA	Greif	corn	no-till	4/30	150.0	30
S2020IASC42	Nevada, IA	Harrison	corn	minimum w/ fall till	5/2	150.0	30
S2020IASC43	Victor, IA	Derycke	corn	minimum w/o fall till	5/3	150.0	30

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
Iowa South [IASO]							
S2020IAS052	Cambria, IA	Allred	corn	no-till	5/9	150.0	30
S2020IAS051	Oakland, IA	Bentley	corn	no-till	5/6	150.0	30
S2020IAS053	Washington, IA	Vittetoe	corn	no-till	5/1	150.0	30
S2020IAS054	Winterset, IA	Erdman	corn	no-till	5/7	150.0	30
Illinois North Central [ILNC]							
S2020ILNC16	Dwight, IL	Bunting	corn	no-till	5/12	170.0	30
S2020ILNC13	Henry, IL	Knapp	corn	minimum w/o fall till	6/1	170.0	30
S2020ILNC14	Macomb, IL	Lewis	corn	minimum w/o fall till	5/12	170.0	30
S2020ILNC15	Thomasboro, IL	Burke	corn	conventional w/ fall till	6/1	170.0	30
Illinois North [ILNO]							
S2020ILN010	Dixon, IL	Wiggins	corn	minimum w/o fall till	5/9	170.0	15
S2020ILN09	Grand Ridge, IL	Walter	corn	conventional w/ fall till	5/11	170.0	15
S2020ILN011	Malta, IL	Drendel	corn	minimum w/o fall till	5/8	170.0	15
S2020ILN012	Milledgeville, IL	Hollewell	corn	conventional w/ fall till	5/8	170.0	15
Illinois South Central [ILSC]							
S2020ILSC17	Forsyth, IL	Cullison	corn	conventional w/ fall till	5/11	170.0	30
S2020ILSC18	Tuscola, IL	Clapper	corn	conventional w/ fall till	5/11	170.0	30
S2020ILSC19	Virden, IL	Ladage	corn	conventional w/ fall till	5/12	170.0	30
S2020ILSC20	Williamsville, IL	Constant	corn	conventional w/ fall till	5/11	170.0	30
Illinois South [ILSO]							
S2020ILS021	Belleville, IL	Barttelbort	corn	no-till	6/1	140.0	30
S2020ILS022	Effingham, IL	Tucker	corn	conventional w/ fall till	5/3	140.0	30
S2020ILS023	Flora, IL	Briscoe	corn	no-till	6/4	140.0	30
S2020ILS024	Nashville, IL	Taylor	corn	conventional w/ fall till	6/4	140.0	30

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
Indiana Central [INCE]							
S2020INCE27	Greencastle, IN	Zaring	corn	no-till	6/2	140.0	30
S2020INCE26	Greentown, IN	Howell	corn	minimum w/o fall till	6/8	140.0	30
S2020INCE28	Rushville, IN	Hardy	soybean	minimum w/o fall till	6/8	140.0	30
S2020INCE25	Wingate, IN	Maddux	corn	conventional w/ fall till	6/8	140.0	30
Indiana North [INNO]							
S2020INNO8	Howe, IN	Larimer	--	--	6/2	140.0	30
S2020INNO6	Remington, IN	Hathaway	--	--	5/13	140.0	30
S2020INNO7	Valparaiso, IN	Goetz	--	--	6/2	140.0	30
S2020INNO5	Wabash, IN	Hoppas	--	--	5/13	140.0	30
Kansas East Central [KSEC]							
S2020KSEC4	Baldwin City, KS	Ulrich	corn	no-till	6/2	140.0	30
S2020KSEC1	La Cygne, KS	Stainbrook	soybean	no-till	6/8	140.0	30
S2020KSEC2	Louisburg, KS	Stuteville	corn	no-till	6/17	140.0	30
S2020KSEC3	Stilwell, KS	Betts	corn	conventional w/o fall till	6/10	140.0	30
Kansas Northeast [KSNE]							
S2020KSNE8	Du Bois, NE	Farwell	rye	no-till	6/8	140.0	30
S2020KSNE5	Holton, KS	Royer	corn	no-till	6/9	140.0	30
S2020KSNE7	Onaga, KS	Greene	soybean	no-till	6/2	140.0	30
S2020KSNE6	Vermillion, KS	Boyle	corn	no-till	5/25	140.0	30
Minnesota Central [MNCE]							
S2020MNCE1	Buffalo, MN	Daluge	corn	conventional w/ fall till	5/12	140.0	30
S2020MNCE4	Clinton, MN	Nelson	corn	conventional w/ fall till	5/15	140.0	30
S2020MNCE2	Lester Prairie, MN	Ide	corn	conventional w/ fall till	5/4	140.0	30
S2020MNCE3	Starbuck, MN	Moe	corn	conventional w/ fall till	5/15	140.0	30

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
Minnesota North Central [MNNC]							
S2020MNNC2	Albany, MN	Oveman	soybean	conventional w/ fall till	5/7	140.0	30
S2020MNNC3	Clear Lake, MN	Peterson	corn	conventional w/ fall till	5/3	130.0	30
S2020MNNC1	Royalton, MN	Kasella	soybean	no-till	5/11	140.0	30
S2020MNNC4	Wendell, MN	Biss	corn	conventional w/ fall till	5/16	140.0	30
Minnesota South Central [MNSC]							
S2020MNSC8	Cannon Falls, MN	Beckman	peas, rye cover	no-till	5/6	140.0	30
S2020MNSC6	Madison Lake, MN	Krenik	soybean	conventional w/o fall till	5/6	140.0	30
S2020MNSC7	Nerstrand, MN	Schrader	corn	conventional w/ fall till	5/6	140.0	30
S2020MNSC5	Wabasso, MN	Plaetz	corn	conventional w/ fall till	5/7	140.0	30
Minnesota South [MNSO]							
S2020MNS02	Easton, MN	Martin	corn	conventional w/ fall till	5/7	140.0	30
S2020MNS04	Kasson, MN	Herbst	corn	conventional w/ fall till	5/4	140.0	30
S2020MNS01	Lamberton, MN	Iverson	corn	conventional w/o fall till	5/15	140.0	30
S2020MNS03	New Richland, MN	Schoenrock	corn	conventional w/ fall till	5/4	140.0	30
Missouri Central [MOCE]							
S2020MOCE2	New Franklin, MO	Kircher	corn	---	5/12	140.0	30
S2020MOCE3	Perry, MO	Braungardt	corn	---	6/2	140.0	30
S2020MOCE4	Portage Des Sioux, MO	Neustadt	corn	---	5/13	140.0	30
S2020MOCE1	Sweet Springs, MO	Strobel	soybean	---	6/3	140.0	30
Missouri North [MONO]							
S2020MON03	Cairo, MO	Samp	corn	---	6/16	140.0	30
S2020MON02	Greentop, MO	Sevits	corn	---	6/4	140.0	30
S2020MON04	Palmyra, MO	Kiefaber	corn	---	6/2	140.0	30
S2020MON01	St. Joseph, MO	Gaskill	corn	---	5/19	140.0	30

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
North Central State Line [NCSL]							
S2020NCSL8	Janesville, WI	Tracy	corn	no-till	5/6	170.0	15
S2020NCSL5	Monroe, WI	Wellnitz	corn	no-till	5/7	170.0	15
S2020NCSL7	Pearl City, IL	Randecker	corn	minimum w/o fall till	5/8	170.0	15
S2020NCSL6	Winnebago, IL	Swanson	corn	conventional w/ fall till	5/9	170.0	15
Nebraska Northeast [NENE]							
S2020NENE2	McLean, NE	Koehler	corn	no-till	5/6	151.0	30
S2020NENE4	Scribner, NE	Ready	corn	no-till	5/6	151.0	30
S2020NENE1	Wayne, NE	Meyer	corn	no-till	5/6	151.0	30
S2020NENE3	Wisner, NE	Feller	corn	no-till	5/6	151.0	30
Nebraska Southeast [NESE]							
S2020NESE9	Beatrice, NE	Thimm	corn	no-till	5/13	140.0	30
S2020NESE11	Douglas, NE	Dozier	corn	conventional w/o fall till	4/22	140.0	30
S2020NESE10	Tecumseh, NE	Smith	corn	no-till	4/22	140.0	30
S2020NESE12	Union, NE	Smith	corn	no-till	5/11	140.0	30
Ohio Northwest [OHNW]							
S2020OHNW1	Archbold, OH	Shininger	---	---	6/3	140.0	30
S2020OHNW2	Delphos, OH	Buettner	---	---	6/2	140.0	30
S2020OHNW3	McComb, OH	Newcomer	---	---	5/12	140.0	30
S2020OHNW4	Tiffin, OH	Steyer	---	---	5/13	140.0	30
Pennsylvania Southeast [PASE]							
S2020PASE7	Duncannon, PA	Ebersole	corn	minimum w/o fall till	5/27	165.0	15
S2020PASE8	Martinsburg, PA	Smith	corn	minimum w/o fall till	6/1	165.0	15
S2020PASE6	Milton, PA	Shoop	corn	no-till	5/20	165.0	15
S2020PASE5	Mount Joy, PA	Buckwalter	corn	no-till	5/19	165.0	15

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
Red River Central North Dakota & Minnesota [RRCE]				Manager: Luke Brendemuhl			
S2020RRCE3	Blanchard, ND	Erickson	soybean	conventional w/o fall till	5/20	140.0	30
S2020RRCE2	East Grand Forks, MN	Krueger	wheat	conventional w/ fall till	5/29	140.0	30
S2020RRCE4	Georgetown, MN	Brendemuhl	corn	minimum w/o fall till	5/31	140.0	30
S2020RRCE1	Kragnes, MN	Brendemuhl	wheat	minimum w/ fall till	5/21	140.0	30
Red River North North Dakota & Minnesota [RRNO]				Manager: Luke Brendemuhl			
S2020RRN01	Cavalier, ND	Schluchter	wheat	no-till	5/22	140.0	30
S2020RRN02	Donaldson, MN	Klein	sugarbeet	conventional w/o fall till	5/23	140.0	30
S2020RRN04	East Grand Forks, MN	Krueger	wheat	conventional w/ fall till	5/29	140.0	30
S2020RRN03	Warren, MN	Potechek	wheat	conventional w/ fall till	5/31	140.0	30
Red River South North Dakota & Minnesota [RRSO]				Manager: Luke Brendemuhl			
S2020RRS03	Breckenridge, MN	Yaggie	corn	conventional w/ fall till	5/18	140.0	30
S2020RRS04	Litchville, ND	Formo	wheat	conventional w/o fall till	5/28	140.0	30
S2020RRS02	Mooreton, ND	Fenske	corn	conventional w/o fall till	5/21	140.0	30
S2020RRS01	Wheaton, MN	Raguse	corn	conventional w/ fall till	5/15	140.0	30
South Dakota East Central [SDEC]				Manager: Mark Tollefson			
S2020SDEC5	Arlington, SD	Bjorklund	corn	no-till	5/15	140.0	30
S2020SDEC6	Colton, SD	Snoozy	corn	conventional w/ fall till	5/11	140.0	30
S2020SDEC7	Dell Rapids, SD	Brown	corn	no-till	5/11	140.0	30
S2020SDEC8	Salem, SD	Christensen	oat	conventional w/o fall till	5/8	140.0	30
South Dakota Northeast [SDNE]				Manager: Mark Tollefson			
S2020SDNE11	Bath, SD	Sperry	corn	minimum w/o fall till	5/20	140.0	30
S2020SDNE10	Mansfield, SD	Fischbach	corn	minimum w/o fall till	5/20	140.0	30
S2020SDNE9	Watertown, SD	Keltgen	corn	minimum w/o fall till	5/2	140.0	30
S2020SDNE12	Webster, SD	Zenk	corn	no-till	5/19	140.0	30

Test Code	Site Location	Member's Name	Following	Tillage	Planted	Rate	Spacing
South Dakota Southeast [SDSE]		Manager: Mark Tollefson					
S2020SDSE4	Beresford, SD	Frick	corn	minimum w/o fall till	5/3	140.0	30
S2020SDSE3	Burbank, SD	Hall	corn	minimum w/o fall till	5/12	140.0	30
S2020SDSE1	Irene, SD	Mellum	oat	conventional w/o fall till	5/12	140.0	30
S2020SDSE2	Salem, SD	Christensen	oat	conventional w/o fall till	5/8	140.0	30
Wisconsin South [WISO]		Manager: Jason Beyers					
S2020WISO1	Arlington, WI	Stibbs	corn	no-till	5/6	170.0	15
S2020WISO2	Oregon, WI	Klahn	corn	conventional w/ fall till	5/6	170.0	15
S2020WISO3	Postville, IA	Walter	corn	no-till	5/8	170.0	15
S2020WISO4	Watertown, WI	Weichmann	corn	no-till	5/7	170.0	15



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