

2020 Soybean Products and Region Information

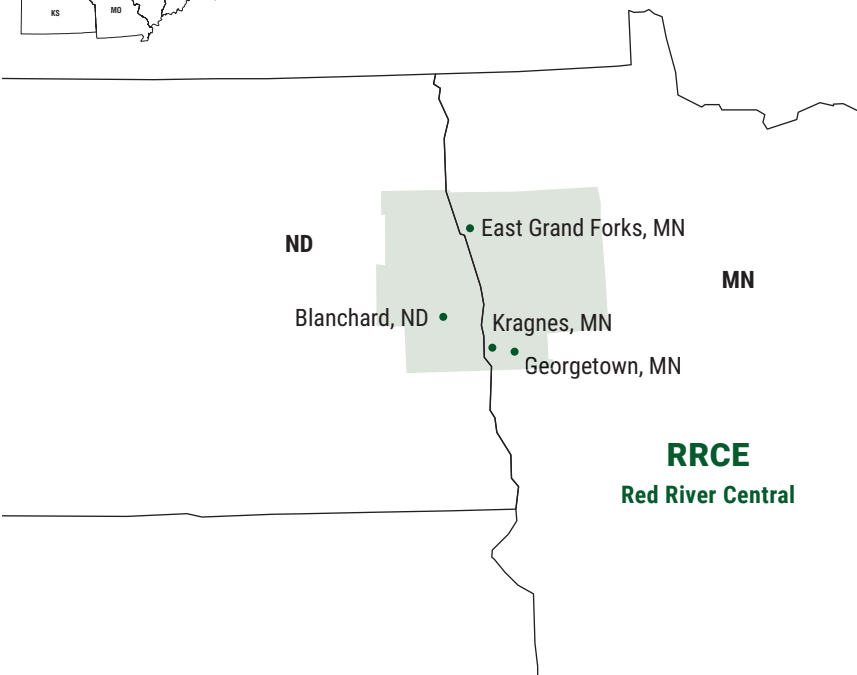
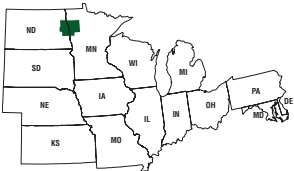
Red River Central - RRCE

FIRST Field Manager



Luke Brendemuhl

Northland FIRST, LLC
4032 120th Ave N, Moorhead, MN 56560
(218) 790-4497
luke.brendemuhl@firstseedtests.com



Cooperating Farmers



Paul Erickson
Blanchard, ND



Matthew Krueger
East Grand Forks, MN



Curtis Brendemuhl
WCD Brendemuhl Farms
Georgetown, MN



Curtis Brendemuhl
WCD Brendemuhl Farms
Kragnes, MN

| Site | Farmer Members | Soil Texture | Tillage | Previous Crop | Date Planted |
|----------------------|---|-----------------|----------------------------|---------------|--------------|
| Blanchard, ND | Paul Erickson | loam | conventional w/o fall till | soybean | May 20 |
| East Grand Forks, MN | Matthew Krueger | silty clay loam | conventional w/ fall till | wheat | May 29 |
| Georgetown, MN | Curtis Brendemuhl WCD Brendemuhl Farms | silty clay | minimum w/o fall till | corn | May 31 |
| Kragnes, MN | Curtis Brendemuhl WCD Brendemuhl Farms | silty clay | minimum w/ fall till | wheat | May 21 |

2020 All-Season Soybeans Entries


Brand‡ **Tech.†** **Mat.** **SCN** **STrt†** **Region(s) Tested**

APEX | MS Technologies, LLC
http://www.mstechseed.com/
103 Avenue D, West Point IA 52656
(800) 362-2510




| | | | | | | |
|--------|----|-----|---|---------|-------|------------|
| AE0710 | E3 | 0.7 | R | CMBV,SA | RRCE | RRSOa |
| AE0810 | E3 | 0.8 | R | CMBV,SA | MNNCa | RRCE RRSOa |

ASGROW | Asgrow Brand [Bayer CropScience]
http://www.asgrow.com
800 N. Lindbergh Blvd., St. Louis MO 63167
(314) 694-1000




| | | | | | | |
|----------|-----|-----|---|----|-------|------------|
| AG02X8 § | RRX | 0.2 | S | na | RRCE | RRNO |
| AG05X9 § | RRX | 0.5 | R | na | RRCE | |
| AG08X0 § | RRX | 0.8 | R | na | MNNCa | RRCE RRSOa |

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 |

DYNA-GRO | Dyna-Gro Seed [Nutrien Ag Solutions]
http://www.dynagroseed.com
3005 Rocky Mountain Ave, Loveland CO 80538
(970) 685-3300



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|---------|-----|-----|---|--------|------|--|
| S07EN61 | E3 | 0.7 | R | EQV,SA | RRCE | |
| S07XT28 | RRX | 0.7 | R | EQV,SA | RRCE | |
| S09XT50 | RRX | 0.9 | R | EQV,SA | RRCE | |

GENESIS | MS Technologies, LLC
http://www.mstechseed.com/
103 Avenue D, West Point IA 52656
(800) 362-2510



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|---------|------|-----|---|---------|-------|------------|
| 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 |

GOLDEN HARVEST | Syngenta
http://www.syngenta-us.com/seed
2001 Butterfield Road – Suite 1600, Downers Grove IL 60515
(800) 652-7333




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|------------|-----|-----|----|---------|-------|------------|
| 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 |

HEFTY | Hefty Seed Company
http://www.heftyseed.com
47504 252nd St., Baltic SD 57003
(866) 769-7200



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|-------|-----|-----|---|-----|------|-------|
| 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 |

LATHAM | Latham Hi-Tech Seeds
http://www.lathamseeds.com
131 180th St., Alexander IA 50420
(877) 465-2842




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|---------------|------|-----|---|-----|-------|------------|
| E 0624 LLGT27 | LG27 | 0.6 | S | SS+ | RRCE | |
| 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 | |
| L 0982 R2 | RR2Y | 0.9 | R | SS+ | MNNCa | RRCE |

LOYAL | MS Technologies, LLC
http://www.mstechseed.com/
103 Avenue D, West Point IA 52656
(800) 362-2510



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|--------|----|-----|---|---------|-------|------------|
| L0320E | E3 | 0.3 | R | CMBV,SA | RRCE | RRNO |
| L0830E | E3 | 0.8 | R | CMBV,SA | MNNCa | RRCE RRSOa |

NK BRAND | Syngenta
http://www.syngenta-us.com/seed
2001 Butterfield Road – Suite 1600, Downers Grove IL 60515
(800) 652-7333



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|-----------|-----|-----|----|---------|------|------|
| S04-Q7X | RRX | 0.4 | MR | CMBV,SA | RRCE | RRNO |
| S05-2E3 § | E3 | 0.5 | S | CMBV,SA | RRCE | |

| Brand† | Tech.† | Mat. | SCN | STrt† | Region(s) Tested | | |
|------------------|--------|------|-----|---------|------------------|--------------|-------|
| 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 | | |
| S09-3E3 | E3 | 0.9 | NA | CMBV,SA | MNNCa | RRCE | RRSOa |
| S09-D4X | RRX | 0.9 | S | CMBV,SA | RRCE | RRSOa | |

PIONEER | DuPont Pioneer [Corteva Agriscience]

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



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|------------|-----|-----|----|----|------|------|--|
| P09A53X GC | RRX | 0.9 | NA | na | RRCE | SDNE | |
|------------|-----|-----|----|----|------|------|--|

PROSEED | Proseed, Inc.
http://www.proseed.net
705 E. Brewster, Harvey ND 58341
(800) 776-3121



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|-----------------|-----|-----|---|----|-------------|-------------|-------|
| EL20-73 | E3 | 0.7 | R | na | MNNCa | RRCE | RRSOa |
| EL90-53N | E3 | 0.5 | R | na | RRCE | | |
| XT20-70 | RRX | 0.7 | R | na | RRCE | | |
| XT80-20N | RRX | 0.2 | R | na | RRCE | RRNO | |

STINE | Stine Seed Company
http://www.stinseed.com
22555 Laredo Trail, Adel IA 50003
(800) 362-2510



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|-----------------|----|-----|---|----|--------------|------|--------------|
| 03EB02 § | E3 | 0.3 | R | na | RRCE | RRNO | |
| 06EC23 § | E3 | 0.6 | R | na | MNNCa | RRCE | RRSOa |
| 09EA02 § | E3 | 0.9 | R | na | MNNCa | RRCE | RRSOa |

THUNDER | Thunder Seed, Inc.
http://www.thunderseed.com
806 Center Ave. W, Dilworth MN 56529
(888) 684-8633



| Brand† | Tech.† | Mat. | SCN | STrt† | Region(s) Tested | | |
|----------------|--------|------|-----|-------|------------------|-------------|--------------|
| SB8104N | RRX | 0.4 | R | na | RRCE | RRNO | |
| SB8805N | RRX | 0.5 | R | na | RRCE | | |
| SB8807N | RRX | 0.7 | R | na | MNNCa | RRCE | RRSOa |
| 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 | | |
| TE7107N | E3 | 0.7 | R | na | MNNCa | RRCE | RRSOa |

TITAN PRO | Titan Pro SCI, Inc.
http://www.titanprosci.com
1301 S. 24th St., Clear Lake IA 50428
(641) 357-7283



| | | | | | | | |
|------|----|-----|---|----|------|--|--|
| 07E0 | E3 | 0.7 | R | na | RRCE | | |
|------|----|-----|---|----|------|--|--|

ZINESTO | Hefty Seed Company
http://www.heftyseed.com
47504 252nd St., Baltic SD 57003
(866) 769-7200



| | | | | | | | |
|---------------|----|-----|---|----|-------------|-------|-------|
| 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 | |

Harvest reports will identify company as shown in bold.

† Suffix GC = grower comparison, CK = check,

§ - United Soybean Board (USB) sponsored entry

† See last page 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 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 |

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, Salstro |
| ACi,SA,B-200 | Acceleron® Standard fungicide + insecticide, Salstro, 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®, Salstro |
| DST | Dominance 2 ST |
| EQV,SA | Equity VIP, Salstro |
| EX | Excalibre-SA™ (ABM) |
| EcTC | Eclipse US Total Coverage Trio IM, N-Force |
| EcTC,SA | Eclipse US Total Coverage Trio IM, N-Force, Salstro |
| 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 | Salstro® |
| SA,A,R,G | Salstro®, Allegiance FL, Redigo 480, Gaucho 600 |
| SS | SoyShield |
| SS+ | SoyShield Plus |
| Treated | Treated, unspecified |
| Untreated | No seed treatment |
| VFI,SA | Virile Fungicide+Insecticide, Salstro® (BCS Consulting) |
| ViM,NO | Vibrance Maxx, Nodulator Pro |
| W | Warden® CX |
| YPP | YP Pro™, QuickRoots |
| YPP,T | YP Pro™, Trilex® |