

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2021 Corn Grain Top 30 Harvest Report

Iowa South [IASO] BLOOMFIELD, IA


David & Ray Boas, Davis County, IA 52537

| | |
|-------------------------------|--|
| Early-Season Test | 106 - 111 Day CRM B2021IASO36a |
| Top 30 of 48 | For Gross Income (Sorted by Yield) Average of () Replications |
| PREV. CROP/HERB: | Soybeans / Sonic, Roundup, |
| SOIL DESCRIPTION: | Edina silt loam, mod. well drained, non-irrigated |
| SOIL CONDITION: | No-Till, medium P, low K, 6.7 pH, 3.4% OM, 13.1 CEC |
| PEST MANAGEMENT: | Stalwert, Roundup, Engenia |
| FERTILITY - Applied N: | 180 Fall |
| Applied N-P-K (units): | 180-52-120 |
| SEEDED - RATE - ROW: | Apr 26 35.0 /A " spacing |
| HARVESTED - STAND: | Nov 17 |

TEST COMMENTS:

Planting went very well at this site. This plot received rainfall that caused ponding, causing strips to not produce grain. When Ray became a host for the plots he warned me that this area is unpredictable, but he was happy to see the research done in these areas. We have had some plots that did well here but this year it didn't work out. The ponding also caused grass to emerge. Ray did let me know that his yields in areas that did not get damaged were very good. At the time I was trying to harvest, he was farther south picking fields he had to replant this spring.

| Company/Brand | Product/Brand | Technol.† | RM | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|--|---------------|-----------|----|-----------------|---------------|--------------|-------------------|-------------------------|------|
| Not harvested due to ponding damage | | | | | | | | | |

| | | | | |
|---|---------------------|--------------|-----------------|--------------------------------------|
|  Randy Meinsma randym@firstseedtests.com, (815) 238-8007 | Averages = | | | |
| | LSD (0.10) = | ns | ns | ns |
| | LSD (0.25) = | ns | ns | ns |
| | C.V. = | | | Historic yield: 211.19 bu/a, 3 yr(s) |
| Yield & Income Factors: | Base Moisture = 15% | Shrink = 1.2 | Drying = \$0.00 | Prices: GMO = \$3.75 |

Report Date: 11/19/2021

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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Additional reports available at www.firstseedtests.com

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2021 Corn Grain Top 30 Harvest Report

Iowa South [IASO] BLOOMFIELD, IA

David & Ray Boas, Davis County, IA 52537

| | |
|-------------------------------|--|
| Full-Season Test | 112 - 116 Day CRM B2021IASO36b |
| Top 30 of 48 | For Gross Income (Sorted by Yield) Average of () Replications |
| PREV. CROP/HERB: | Soybeans / Sonic, Roundup, |
| SOIL DESCRIPTION: | Edina silt loam, mod. well drained, non-irrigated |
| SOIL CONDITION: | No-Till, medium P, low K, 6.7 pH, 3.4% OM, 13.1 CEC |
| PEST MANAGEMENT: | Stalwert, Roundup, Engenia |
| FERTILITY - Applied N: | 180 Fall |
| Applied N-P-K (units): | 180-52-120 |
| SEEDED - RATE - ROW: | Apr 26 35.0 /A " spacing |
| HARVESTED - STAND: | Nov 17 |

TEST COMMENTS:

Planting went very well at this site. This plot received rainfall that caused ponding, causing strips to not produce grain. When Ray became a host for the plots he warned me that this area is unpredictable, but he was happy to see the research done in these areas. We have had some plots that did well here but this year it didn't work out. The ponding also caused grass to emerge. Ray did let me know that his yields in areas that did not get damaged were very good. At the time I was trying to harvest, he was farther south picking fields he had to replant this spring.

| Company/Brand | Product/Brand | Technol.† | RM | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|---------------|---------------|-----------|----|-----------------|---------------|--------------|-------------------|-------------------------|------|
|---------------|---------------|-----------|----|-----------------|---------------|--------------|-------------------|-------------------------|------|

Not harvested due to ponding damage



Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Averages =

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. =

Historic yield: 211.19 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 15% Shrink = 1.2 Drying = \$0.00 Prices: GMO = \$3.75

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† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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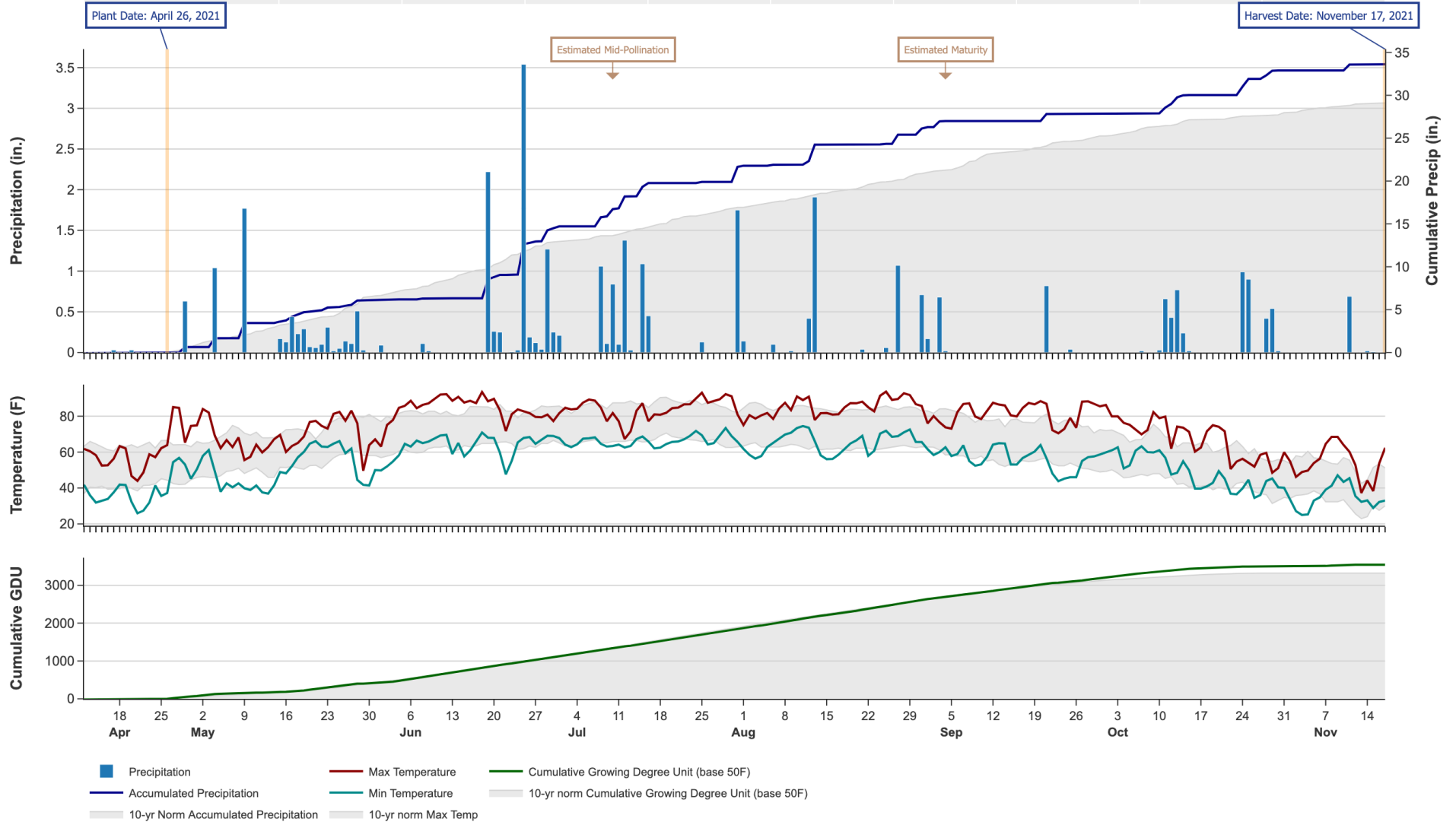
Additional reports available at www.firstseedtests.com

2021 Corn - Iowa South [IASO]

Weather Conditions Summary at BLOOMFIELD, IA

Weather Data Retrieved: 11/19/2021

| Monthly Total | Apr* | May | Jun | Jul | Aug | Sep | Oct | Nov* | Total |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in) Normal (Diff) | 0.7 2.5 (-1.8) | 5.5 5.9 (-0.5) | 8.4 6.3 (+2.1) | 7.2 4.0 (+3.1) | 4.5 4.0 (+0.5) | 1.7 4.4 (-2.7) | 5.0 2.7 (+2.3) | 0.7 1.1 (-0.4) | 33.7 30.9 (+2.7) |
| GDU Normal (Diff) | 87 131 (-44) | 355 391 (-36) | 687 675 (+11) | 758 795 (-37) | 755 730 (+24) | 575 502 (+72) | 311 196 (+114) | 38 0 (+38) | 3566 3422 (+143) |



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

2021 Corn - Iowa South [IASO]

Early-Season Test Products (48 Total)

| Company/Brand | Product/Brand | Technology | RIB | RM | Seed Treat. |
|----------------|-------------------|------------|-----|-----|---------------|
| AgriGold | A636-16VT2PRIB GC | VT2P | Y | 106 | AC,P5V |
| Armor | A1044 SS GC | STX | N* | 110 | Treated |
| Augusta | A1059-3330GT | 3330 | N | 109 | CM,C2 |
| Augusta | A1060-3330 | 3330 | N | 110 | CM,C2 |
| Augusta | A1259-5222 | 5222 | N | 109 | CM,C2 |
| Augusta | A4858-5122-EZ | 5122 | Y | 108 | CM,C2 |
| Augusta | A4961-5122-EZ | 5122 | Y | 111 | AVC,C5 |
| Channel | 209-15VT2PRIB GC | VT2P | Y | 109 | AC,P2,B360 |
| Dyna-Gro | D50VC09 | VT2P | N | 110 | AC,P5V,B-300 |
| FS InVision | FS 5815V RIB | VT2P | Y | 108 | AC,P5V,EDC-EL |
| FS InVision | FS 5909D2A EZR | 5222A | Y | 109 | AC,P5V |
| FS InVision | FS 6017V RIB | VT2P | Y | 110 | AC,P5V,EDC-EL |
| FS InVision | FS 6106X RIB | STX | Y | 111 | AC,P5V |
| FS InVision | FS 6194V RIB | VT2P | Y | 111 | AC,P5V |
| Golden Harvest | G07G73-5122 EZR | 5122 | Y | 107 | AVC,C2,Vi |
| Golden Harvest | G08R52-3220 EZR | 3220 | Y | 108 | AVC,C5,Vi |
| Golden Harvest | G10D21-3330 EZR | 3330 | Y | 110 | AVC,C5,Vi |
| Golden Harvest | G10L16-5222 EZR | 5222 | Y | 110 | AVC,C5,Vi |
| Golden Harvest | G11V76-5122 EZR | 5122 | Y | 111 | AVC,C5,Vi |
| Hoegemeyer | 8009AM | AM | Y | 110 | Lum |
| Hoegemeyer | 8084AM | AM | Y | 110 | Lum |
| Integra | 5719 VT2PRIB | VT2P | Y | 107 | AC,P2,SU |
| Integra | 5802 VT2PRIB | VT2P | Y | 108 | AC,P5V,EDC-B |
| Integra | 6061 TRERIB | TRE | Y | 110 | AC,P5V,SU |
| Integra | 6162 VT2PRIB | VT2P | Y | 111 | AC,P5V,EDC-B |
| Kruger | K0858DP | VT2P | Y | 108 | AC,P5,EDC |
| Kruger | K0915DD | VT2PDG | Y | 109 | AC,P5,EDC |
| Kruger | K0917SS | STX | Y | 109 | AC,P5V,EDC-B |
| Kruger | K1005DP | VT2P | Y | 110 | AC,P2 |
| Kruger | K1191DT | TRE | Y | 111 | AC,P5,EDC |
| NK Brand | NK1188-3120 EZR | 3120 | Y | 111 | AVC,C5,Vi |
| NuTech | 68A7AM | AM | Y | 108 | Lum,P1V |
| NuTech | 68B3AML | AML | Y | 108 | Lum,P1V |
| NuTech | 69B9Q | QR | Y | 109 | Lum,P1V |
| NuTech | 70A8AM | AM | Y | 110 | Lum,P1V |
| NuTech | 70F2Q | QR | Y | 110 | Lum,P1V |
| Pioneer | P0953AM CK | AM | Y | 109 | Lum |
| Renk | RK805VT2P | VT2P | N | 110 | AC,P2 |
| Renk | RK821SSTX | STX | N | 111 | AC,P5V |
| Renk | RK826VT2P | VT2P | N | 111 | AC,P5V |
| Taylor | 6011 VT2P | VT2P | N | 111 | AC,P2 |
| Taylor | 9907 VT2P | VT2P | N | 107 | AC,P2 |

| Company/Brand | Brand/Product | Technology | RIB | RM | Seed Treat. |
|---------------|-------------------|------------|-----|-----|-------------|
| Taylor | EXP C-111-22 VT2P | VT2P | N | 111 | AC,P2 |
| Wyffels | W5086RIB | VT2P | Y | 107 | AC,P2 |
| Wyffels | W6408RIB | STX | Y | 110 | AC,P5V |
| Wyffels | W6826RIB | VT2P | Y | 111 | AC,P2 |
| Wyffels | W6906RIB | VT2P | Y | 111 | AC,P2 |
| Wyffels | W6978RIB | STX | Y | 111 | AC,P5V |

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

2021 Corn - Iowa South [IASO]

Full-Season Test Products (48 Total)

| Company/Brand | Product/Brand | Technology | RIB | RM | Seed Treat. |
|----------------|-------------------|------------|-----|-----|--------------|
| AgriGold | A645-16VT2RIB GC | VT2P | Y | 115 | AC,P5V |
| Dyna-Gro | D55VC80 | VT2P | N | 115 | AC,P5V |
| FS InVision | FS 6217X RIB | STX | Y | 112 | AC,P5V |
| FS InVision | FS 6306T RIB | TRE | Y | 113 | AC,P5V |
| FS InVision | FS 6395VDG RIB | VT2PDG | Y | 113 | AC,P5V |
| FS InVision | FS 6406X RIB | STX | Y | 114 | AC,P5V |
| FS InVision | FS 6595V RIB | VT2P | Y | 115 | AC,P5V |
| Golden Harvest | G12S75-5122 EZR | 5122 | Y | 112 | AVC,C5,Vi |
| Golden Harvest | G13D55-3220 EZR | 3220 | Y | 113 | AVC,C5,Vi |
| Golden Harvest | G13P84-3120 EZR | 3120 | Y | 113 | AVC,C5,Vi |
| Golden Harvest | G15J91-3220 EZR | 3220 | Y | 115 | AVC,C5,Vi |
| Golden Harvest | G16Q82-3120A EZR | 3120A | Y | 116 | AVC,C5,Vi |
| Hoegemeyer | 8371AML | AML | Y | 113 | Lum,P1V |
| Hoegemeyer | 8447AM | AM | Y | 114 | Lum,P1V |
| Hoegemeyer | 8518AM | AM | Y | 115 | Lum |
| Integra | 6342 TRERIB | TRE | Y | 113 | AC,P5V,EDC-B |
| Integra | 6410 VT2PRIB | VT2P | Y | 114 | AC,P5V,SU |
| Integra | 6555 VT2PRIB | VT2P | Y | 114 | AC,P5V,SU |
| Integra | 6641 VT2PRIB | VT2P | Y | 116 | AC,P5V,SU |
| Kruger | K1237DT | TRE | Y | 112 | AC,P5,EDC |
| Kruger | K1313DD | VT2PDG | Y | 113 | AC,P5,EDC |
| Kruger | K1327DT | TRE | Y | 113 | AC,P5,EDC |
| Kruger | K1501DP | VT2P | Y | 115 | AC,P2 |
| Kruger | K1541SS | STX | Y | 115 | AC,P5V,EDC-B |
| NK Brand | NK1349-3220 EZR | 3220 | Y | 113 | AVC,C5,Vi |
| NK Brand | NK1460-5222 EZR | 5222 | Y | 114 | AVC,C5,Vi |
| NK Brand | NK1523-3220 EZR | 3220 | Y | 115 | AVC,C5,Vi |
| NK Brand | NK1661-3120A EZR | 3120A | Y | 116 | AVC,C5,Vi |
| NuTech | 72B7Q | QR | Y | 112 | Lum,P1V |
| NuTech | 72D4AM | AM | Y | 112 | Lum,P1V |
| NuTech | 74A9AM | AM | Y | 114 | Lum,P1V |
| NuTech | 74B6AM | AM | Y | 114 | Lum,P1V |
| NuTech | 74F3AM | AM | Y | 114 | Lum,P1V |
| Pioneer | P0953AM CK | AM | Y | 109 | Lum |
| Renk | RK882TRE | TRE | N | 111 | AC,P2 |
| Renk | RK915VT2P | VT2P | N | 115 | AC,P5V |
| Renk | RK937VT2P | VT2P | Y | 113 | AC,P2 |
| Renk | RK945DGV2P | VT2PDG | Y | 116 | AC,P2 |
| Taylor | 8013 VT2PDGRIB | VT2PDG | Y | 112 | CM,C2,Vi |
| Taylor | 8824 VT2PRIB | VT2P | Y | 113 | CM,C2,Vi |
| Taylor | 9915 VT2P | VT2P | N | 115 | CM,C2,Vi |
| Taylor | EXP C-112-22 VT2P | VT2P | N | 112 | AC,P2 |

| Company/Brand | Brand/Product | Technology | RIB | RM | Seed Treat. |
|---------------|-------------------|------------|-----|-----|-------------|
| Taylor | EXP C-114-22 VT2P | VT2P | N | 114 | AC,P2 |
| Wyffels | W7416 | VT2P | N | 112 | AC,P2 |
| Wyffels | W7536DG | VT2PDG | N | 112 | AC,P2 |
| Wyffels | W7876RIB | VT2P | Y | 114 | AC,P2 |
| Wyffels | W7956RIB | VT2P | Y | 114 | AC,P2 |
| Wyffels | W8936DGRIB | VT2PDG | Y | 117 | AC,P2 |

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies

| | |
|--------|---|
| 3120 | Agrisure® 3120 (CB,HX,LL,GT) |
| 3120A | Agrisure® Artesian® 3120 (CB,HX,LL,GT) |
| 3220 | Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT) |
| 3330 | Agrisure® Viptera® 3330 (Vip,CB,LL,GT) |
| 5122 | Agrisure® Duracade™ 5122 |
| 5222 | Agrisure® Duracade™ 5222 |
| 5222A | Agrisure® Duracade™ Artesian® 5222 |
| AM | Optimum® AcreMax® |
| AML | Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2) |
| QR | Qrome™ |
| STX | SmartStax® |
| TRE | Genuity® Trecepta™ |
| VT2P | Genuity® VT Double PRO® |
| VT2PDG | Genuity® VT Double PRO® DroughtGard® |

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments*

| | |
|---------------|--|
| NA | Not Available |
| AC,P2 | Acceleron® 250 |
| AC,P2,B360 | Acceleron® 250 with BioRise™ B-360 ST |
| AC,P2,SU | Acceleron® 250, StepUp |
| AC,P5,EDC | Acceleron® 500, Enhanced Disease Control |
| AC,P5V | Acceleron® Poncho 500/Votivo |
| AC,P5V,B-300 | Acceleron® Poncho 500/Votivo with B-300 SAT |
| AC,P5V,EDC-B | Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control |
| AC,P5V,EDC-EL | Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control |
| AC,P5V,SU | Acceleron® Poncho 500/Votivo, StepUp |
| AVC,C2,Vi | Avicta® Complete 250, Vibrance® |
| AVC,C5 | Avicta® Complete 500 |
| AVC,C5,Vi | Avicta® Complete 500, Vibrance |
| CM,C2 | CruiserMaxx® 250 |
| CM,C2,Vi | CruiserMaxx® 250 with Vibrance |
| Lum | LumiGEN™ (Corteva Agriscience) |
| Lum,P1V | LumiGEN™ Poncho 1250/Votivo |
| Treated | Treated seed, unspecified |

* Seed treatments may include unspecified plant health promoting components.