

2022 Silage Harvest Report for Pennsylvania Central [PACE]

Charles Groff, Mifflin County, PA 17051 [MCVEYTOWN]



Test by: Mid-Atlantic Independent Tech. Svcs., Mount Joy, PA

PREV. CROP/HERB: Barley / NA

SOIL INFORMATION: Edom silty clay loam, well drained, conventional w/o fall till, very high P, very high K, 6.3 pH, 3.8% OM, non-irrigated

UNITS N-P-K Applied: 200-105-150, N Applied: 100 Spring, 100 Sidedress

PEST MANAGEMENT: Bicep, Roundup Ultra, Ethos, Explorer

SEEDED - RATE: May 26 34,500 /A

HARVESTED - STAND: Aug 31 31,700 /A

105 - 119 Day CRM

L2022PACE25

Top 30 of 36 Products Tested, 3 Rep. Yield Average

| Company/Brand | Product/Brand† | Technology† | CRM | Yield at | | Dry Matter (%) | Crude Protein (% DM) | ENERGY | | | FIBER | | | Milk/Ton DM†† | | Milk/Acre (Lbs)↓ |
|------------------|----------------|-------------|-----|------------------|----------------|----------------|----------------------|---------------|--------------------|---------------|------------|----------------------|------------------|---------------|------|------------------|
| | | | | 65% H2O (Tons/A) | Stand (x1,000) | | | Starch (% DM) | In-Situ SD 7 h (%) | NEL (Mcal/lb) | NDF (% DM) | NDFd 30h* (% of NDF) | uNDF 240 h (%DM) | (Lbs) | Rank | |
| Revere | 1398 VT2PRIB | VT2P | 113 | 20.4 | 31.4 | 28.5 | 8.0 | 30.3 | 69.96 | 0.76 | 39.9 | 60.4 | 10.9 | 3,214 | 18 | 22,984 |
| Mid-Atlantic | MA5144 | DVZ | 114 | 19.7 | 30.6 | 26.7 | 8.6 | 26.7 | 73.84 | 0.74 | 41.6 | 63.5 | 10.1 | 3,133 | 26 | 21,642 |
| Mid-Atlantic | MA5168 | V | 116 | 18.8 | 32.4 | 26.0 | 8.3 | 29.4 | 73.91 | 0.76 | 39.4 | 63.8 | 9.2 | 3,259 | 11 | 21,404 |
| Revere | 0518 VT2PRIB | VT2P | 105 | 18.2 | 31.3 | 27.0 | 8.3 | 30.3 | 69.95 | 0.75 | 40.0 | 62.9 | 10.0 | 3,292 | 5 | 20,968 |
| Dyna-Gro | D48VC84 | VT2P | 108 | 17.7 | 31.6 | 28.4 | 8.6 | 30.6 | 64.00 | 0.77 | 38.4 | 64.3 | 8.6 | 3,332 | 2 | 20,682 |
| Hubner | H6456RCSS | STX | 109 | 17.9 | 31.4 | 27.1 | 8.6 | 30.2 | 66.49 | 0.76 | 39.3 | 63.1 | 9.5 | 3,298 | 3 | 20,621 |
| Seed Consultants | SC1093AM | AM | 109 | 17.3 | 31.4 | 27.0 | 8.3 | 31.0 | 72.66 | 0.76 | 39.2 | 65.1 | 9.0 | 3,393 | 1 | 20,507 |
| Dyna-Gro | D55VC80 | VT2P | 115 | 18.3 | 32.1 | 28.1 | 8.8 | 28.0 | 70.07 | 0.75 | 40.6 | 63.5 | 9.4 | 3,193 | 21 | 20,453 |
| Chemgro | 6929RSX | STX | 109 | 17.7 | 31.3 | 28.1 | 8.3 | 31.3 | 69.77 | 0.77 | 38.9 | 61.7 | 9.4 | 3,280 | 6 | 20,320 |
| Chemgro | 7309RSX | STX | 113 | 18.0 | 32.1 | 28.1 | 8.3 | 29.2 | 70.24 | 0.76 | 39.8 | 64.2 | 9.3 | 3,195 | 19 | 20,167 |
| Seed Consultants | SCS 1122Q | QR | 112 | 18.2 | 31.5 | 25.5 | 8.3 | 26.1 | 73.89 | 0.74 | 41.7 | 67.0 | 8.3 | 3,119 | 28 | 19,901 |
| Augusta | A1165 | VT2P | 115 | 17.8 | 32.0 | 27.0 | 8.4 | 28.0 | 69.03 | 0.76 | 40.5 | 64.5 | 10.1 | 3,176 | 23 | 19,751 |
| Hubner | H0570S | STX | 105 | 17.6 | 31.5 | 27.6 | 8.3 | 29.6 | 70.49 | 0.76 | 40.3 | 61.6 | 10.6 | 3,195 | 20 | 19,719 |
| Chemgro | 6835V4Z | V | 108 | 17.6 | 31.6 | 25.2 | 8.4 | 27.8 | 71.27 | 0.74 | 41.5 | 63.9 | 9.5 | 3,187 | 22 | 19,667 |
| Hubner | H0881D | VT2P | 108 | 17.1 | 32.3 | 28.4 | 8.2 | 30.7 | 67.68 | 0.77 | 39.2 | 63.7 | 9.9 | 3,264 | 9 | 19,574 |
| Seedway | SW 1188SS | STX | 111 | 17.2 | 32.1 | 27.5 | 8.3 | 30.3 | 68.12 | 0.76 | 39.6 | 62.7 | 9.1 | 3,248 | 13 | 19,551 |
| Hubner | H05G716 | VT2PDG | 105 | 17.0 | 32.4 | 27.8 | 8.6 | 29.8 | 66.43 | 0.76 | 39.6 | 62.7 | 9.2 | 3,280 | 7 | 19,475 |
| Seed Consultants | SCS 1112AM | AM | 111 | 17.3 | 31.5 | 24.7 | 8.7 | 28.6 | 74.88 | 0.75 | 40.2 | 64.0 | 9.1 | 3,221 | 16 | 19,465 |
| Revere | 0516 3010 | 3010 | 105 | 17.2 | 32.7 | 26.9 | 8.0 | 31.8 | 68.53 | 0.78 | 37.9 | 62.2 | 9.0 | 3,219 | 17 | 19,343 |
| Mid-Atlantic | MA5161 | DVZ | 116 | 17.5 | 31.3 | 27.6 | 8.7 | 27.4 | 67.97 | 0.76 | 40.4 | 64.5 | 10.0 | 3,125 | 27 | 19,104 |
| Mid-Atlantic | MA5083-5122-EZ | D | 108 | 17.2 | 31.2 | 26.7 | 8.2 | 30.3 | 68.41 | 0.76 | 39.6 | 60.8 | 9.9 | 3,176 | 24 | 19,082 |
| Seedway | SW 6760SS | STX | 112 | 17.3 | 31.5 | 26.6 | 9.4 | 26.4 | 67.45 | 0.74 | 42.0 | 60.2 | 11.0 | 3,139 | 25 | 19,009 |
| Seed Consultants | SCS 1071AM | AM | 107 | 16.3 | 30.1 | 26.1 | 8.5 | 31.1 | 69.77 | 0.78 | 38.0 | 64.2 | 8.8 | 3,272 | 8 | 18,666 |
| Hubner | H6390RCSS | STX | 108 | 16.3 | 31.7 | 27.1 | 8.5 | 29.3 | 68.56 | 0.76 | 40.0 | 63.3 | 9.8 | 3,264 | 10 | 18,583 |
| Seedway | SW 1345TR | TRE | 113 | 16.3 | 31.4 | 26.8 | 8.6 | 29.7 | 70.57 | 0.76 | 39.5 | 63.4 | 9.7 | 3,255 | 12 | 18,571 |
| Revere | 1524 DV | DV | 115 | 16.9 | 33.0 | 25.7 | 8.0 | 28.7 | 72.75 | 0.77 | 38.5 | 64.1 | 8.8 | 3,110 | 30 | 18,394 |
| Revere | 0918 SXXRIB | STX | 109 | 16.3 | 31.1 | 27.7 | 8.3 | 29.7 | 67.27 | 0.75 | 40.8 | 62.9 | 10.8 | 3,231 | 15 | 18,393 |
| Augusta | A4463 | VT2P | 113 | 16.2 | 32.0 | 27.8 | 8.7 | 30.2 | 67.84 | 0.78 | 38.3 | 64.6 | 8.5 | 3,232 | 14 | 18,361 |
| Revere | 1307 TCRIB | TRE | 113 | 16.4 | 31.7 | 27.6 | 8.3 | 27.9 | 70.38 | 0.74 | 41.5 | 62.6 | 10.8 | 3,111 | 29 | 17,856 |
| Augusta | A1059 3330 | VZ | 109 | 14.9 | 31.9 | 27.8 | 8.7 | 29.6 | 66.02 | 0.77 | 39.1 | 65.3 | 8.1 | 3,295 | 4 | 17,146 |

| | | | | | | | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------|--------------|---------------|
| Average = | 17.2 | 31.7 | 26.9 | 8.4 | 28.8 | 69.8 | 0.80 | 40.1 | 63.6 | 9.4 | 3,191 | 19,645 |
| LSD(0.10) = | 1.8 | | | | | | | | | | | |
| LSD(0.25) = | 0.9 | | | | | | | | | | | |
| C.V. = | 9.6 | | | | | | | | | | | |

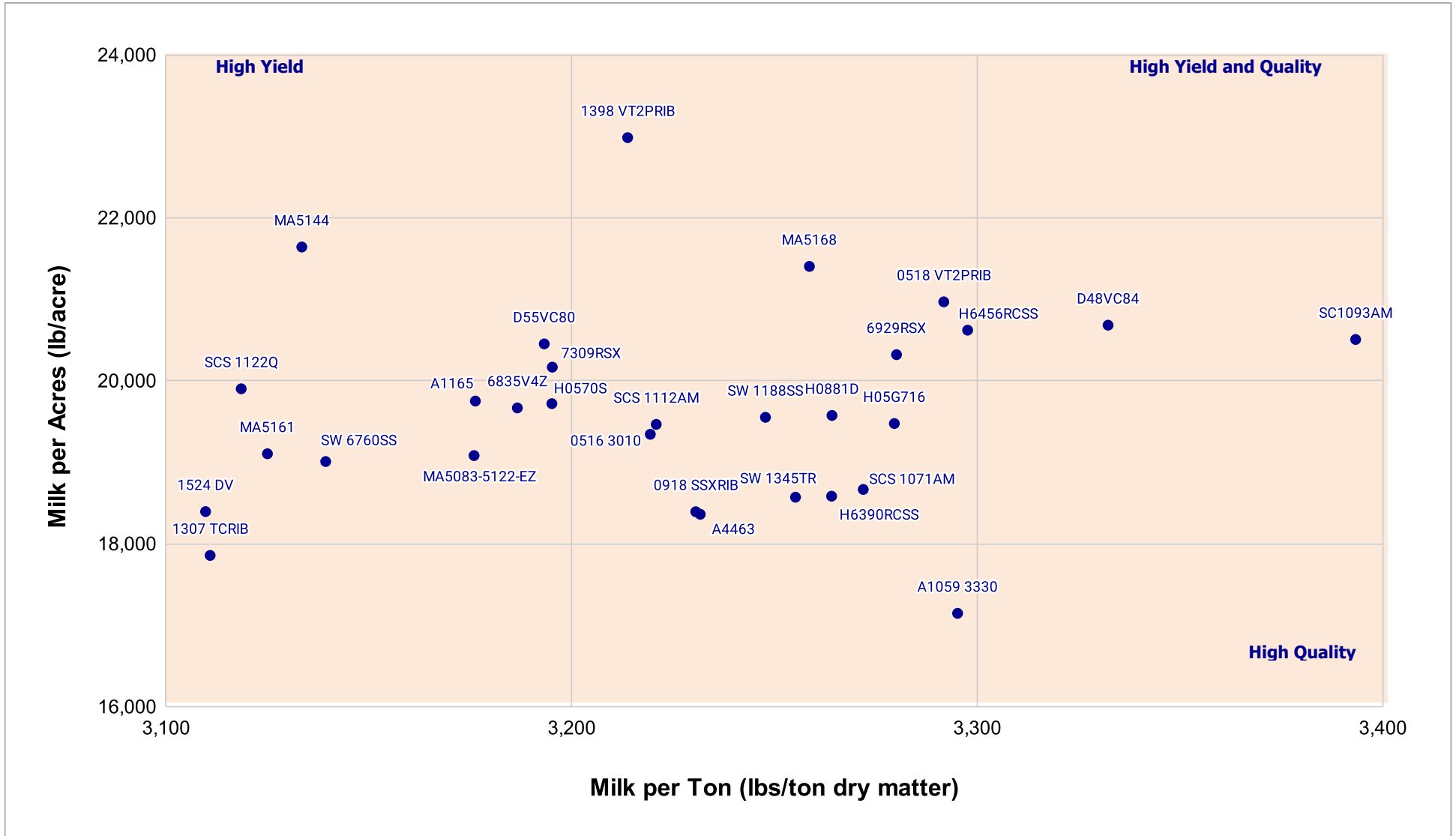
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† See last page for Product/Brand, Technology and Type information. †† Milk/ton: calculated from Rock River data using Milk2006 Traditional 48 hour. *Traditional Goering & Van Soest, Cornell University Method. **Bold** values significantly better than test average. **ns** = not significant

TEST COMMENTS: *Conventional tillage had the soil in great condition at planting. Rainfall was near normal through June, July and August saw minimal rainfall but enough to keep the crop progressing. Yields were lower than in the last few years but they are probably more on average. The overall rating of the plot is an 8 out of 10. (10=best)*

Yield vs Quality Graph

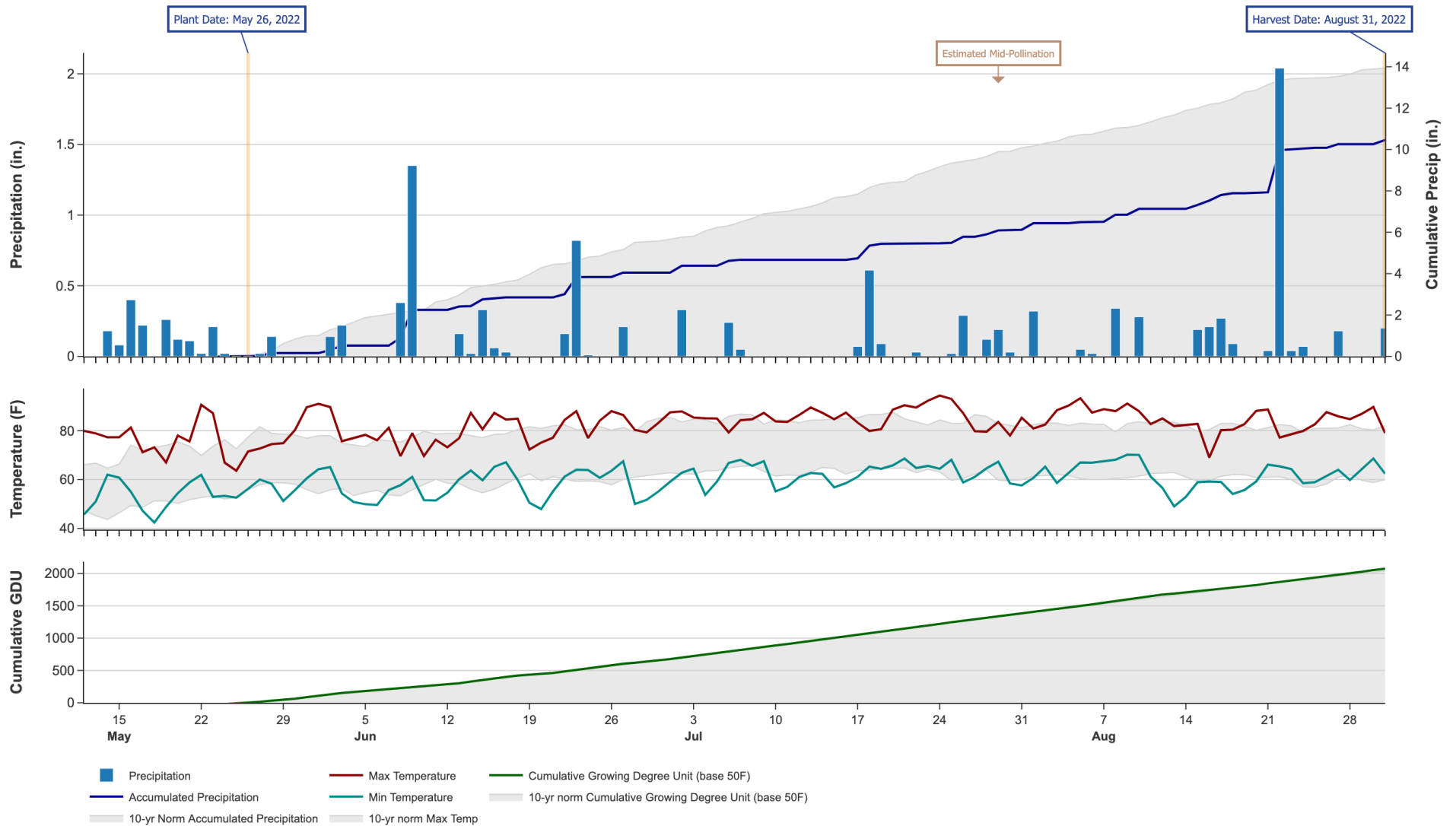


2022 Corn Silage - Pennsylvania Central [PACE]

Weather Conditions Summary at MCVEYTOWN, PA

Weather Data Retrieved: 09/08/2022

| Monthly Total | May* | Jun | Jul | Aug* | Total |
|-----------------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in) Normal (Diff) | 1.8 3.2 (-1.4) | 3.9 4.6 (-0.7) | 2.1 4.5 (-2.4) | 4.3 3.9 (+0.5) | 12.1 16.1 (-4.1) |
| GDU Normal (Diff) | 313 265 (+47) | 567 554 (+12) | 723 732 (-9) | 697 659 (+37) | 2300 2212 (+87) |



* 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.

2022 Corn Silage - Pennsylvania Central [PACE]

All-Season Test Products (36 Total)

| Company/Brand | Product/Brand | Technology | RIB | RM | Seed Treat. |
|------------------|----------------|------------|-----|-----|-------------|
| Augusta | A1059 3330 | VZ | N | 109 | CM,C2 |
| Augusta | A1165 | VT2P | N | 115 | CM,C2 |
| Augusta | A1459 | CONV | N | 109 | Tr |
| Augusta | A1964 | 3110 | N | 114 | Tr |
| Augusta | A4463 | VT2P | N | 113 | Tr |
| Brevant | B06B78SXE GC | STX,E | N* | 106 | Lum |
| Chemgro | 6835V4Z | V | Y | 108 | CM,C2 |
| Chemgro | 6929RSX | STX | Y | 109 | AC,P5 |
| Chemgro | 7139DVZ | DVZ | Y | 111 | CM,C2 |
| Chemgro | 7309RSX | STX | Y | 113 | AC,P5 |
| Dyna-Gro | D48VC84 | VT2P | N* | 108 | P500 |
| Dyna-Gro | D55VC80 | VT2P | N | 115 | P500 |
| Hubner | H0570S | STX | Y | 105 | AC,P5V |
| Hubner | H05G716 | VT2PDG | Y | 105 | P500 |
| Hubner | H0881D | VT2P | Y | 108 | P500 |
| Hubner | H6390RCSS | STX | Y | 108 | AC,P5V |
| Hubner | H6456RCSS | STX | Y | 109 | AC,P5V |
| Mid-Atlantic | MA5083-5122-EZ | D | Y | 108 | CM,C2 |
| Mid-Atlantic | MA5103 | DVZ | Y | 110 | CM,C2 |
| Mid-Atlantic | MA5144 | DVZ | Y | 114 | CM,C2 |
| Mid-Atlantic | MA5161 | DVZ | Y | 116 | CM,C2 |
| Mid-Atlantic | MA5168 | V | N | 116 | CM,C2 |
| Mid-Atlantic | MA8128-VT2PRIB | VT2P | N* | 112 | CM,C2 |
| Revere | 0516 3010 | 3010 | N | 105 | RP |
| Revere | 0518 VT2PRIB | VT2P | Y | 105 | RP |
| Revere | 0918 SXRIB | STX | Y | 109 | RP |
| Revere | 1307 TCRIB | TRE | Y | 113 | RP |
| Revere | 1398 VT2PRIB | VT2P | Y | 113 | RP |
| Revere | 1524 DV | DV | Y | 115 | RP |
| Seed Consultants | SC1093AM | AM | Y | 109 | Lum |
| Seed Consultants | SCS 1071AM | AM | Y | 107 | Lum |
| Seed Consultants | SCS 1112AM | AM | Y | 111 | Lum |
| Seed Consultants | SCS 1122Q | QR | Y | 112 | Lum |
| Seedway | SW 1188SS | STX | Y | 111 | AC,P5 |
| Seedway | SW 1345TR | TRE | Y | 113 | AC,P5 |
| Seedway | SW 6760SS | STX | Y | 112 | AC,P5 |

* 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

GC Grower Comparison product included by FIRST when space permits.

Corn Silage Technologies

| | |
|--------|---|
| 3010 | Agrisure® 3010 (CB,LL,GT) |
| 3110 | Agrisure® Viptera® 3110 (Vip, CB,LL,GT) |
| AM | Optimum® AcreMax® |
| CONV | Conventional |
| D | Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122 |
| DV | DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222 |
| DVZ | DuracadeViptera™ Z3 (Vip,CB,VTP,RW,RW2,LL,GT), formerly Agrisure Duracade® 5332 |
| QR | Qrome™ |
| STX | SmartStax® |
| TRE | Trecepta® |
| V | Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220 |
| VT2P | VT Double PRO® |
| VT2PDG | VT Double PRO® DroughtGard® |
| VZ | Viptera™ Z3 (Vip,CB,VTP,LL,GT), formerly Agrisure Viptera® 3330 |

Corn Silage Seed Treatments*

| | |
|--------|---------------------------------|
| NA | Not Available |
| AC,P5 | Acceleron® 500 |
| AC,P5V | Acceleron® Poncho 500/Votivo |
| CM,C2 | CruiserMaxx® 250 |
| Lum | LumiGen |
| P500 | Poncho 500 |
| RP | Radius 500 (Local Seed Co) |
| Tr | Treated - unspecified treatment |

* Seed treatments may include unspecified plant health promoting components.