

Nathan Mueller | SDSU Extension Agronomist
Kevin Kirby | Ag Research Manager/Specialist
Shawn Hawks | Ag Research Manager/Specialist

Location: 4 miles south of Bath (57427) in Brown County
(GPS: UTM 14N, 552563 m East 5028350 m North)
Cooperator: Gordon and Roger Locken Farms
Soil Type: Great Bend silt loam, 0-2% slope, non-irrigated
Fertility-Yield Goal: 200 bu/ac
Soil Test: 4.5% OM, 5.3 pH, 24 ppm P (Olsen), 497 ppm K
Previous Crop: Soybean
Tillage: No-till
Row Spacing: 30 inches
Seeding Rate: 29,620/acre
Weed Management: Glyphosate & Sharpen – Pre, Glyphosate – Post
Date seeded/harvested: May 9/Nov. 5

2013 Corn Hybrid Trial Results – Bath

| Table 1a. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – Early Season Trial (95 day or less) at Bath (16 Brands, 43 hybrids). | | | | | | | |
|--|----------------|-------------------|--------------------|------------------|-------------------|------------|-------------------------------|
| Hybrid Information | | | Measurements | | | | |
| Brand | Hybrid | Relative Maturity | Yield Bu/A (15.5%) | Grain Moisture % | Test Wt. (lbs/bu) | Lodging* % | Final Stand (plants/A x 1000) |
| Nuseed | 9001 VP3220 | 90 | 233.0 | 18.5 | 54.5 | 0.4 | 25.6 |
| Channel | 192-09VT3P | 92 | 231.4 | 18.2 | 56.9 | 0.0 | 28.4 |
| | CHECK | 99 | 230.2 | 20.9 | 57.4 | 0.0 | 28.3 |
| Wensman | W 8184VT2RIB | 95 | 228.9 | 19.6 | 57.4 | 0.0 | 28.0 |
| Rea | 3A929-RIB | 92 | 228.3 | 18.6 | 58.2 | 0.0 | 27.6 |
| Wensman | W 80952VT2RIB | 95 | 227.8 | 18.2 | 56.3 | 0.4 | 28.6 |
| Peterson Farms | PFS76S92 | 92 | 226.5 | 18.1 | 56.4 | 0.0 | 28.2 |
| Wensman | W 90935VT3PRO | 93 | 225.6 | 17.8 | 57.7 | 0.4 | 28.3 |
| Renk | RK522SSTX | 94 | 224.3 | 18.0 | 57.2 | 1.9 | 28.4 |
| Federal Hybrids | 4440 VT3P | 94 | 223.2 | 18.4 | 57.0 | 0.0 | 27.9 |
| Federal Hybrids | 4640 VT3P | 95 | 222.4 | 18.5 | 57.7 | 0.0 | 28.0 |
| Latham | LH 4455 VT3PRO | 94 | 221.2 | 19.2 | 58.0 | 0.0 | 27.7 |
| Nuseed | 9503 VT2P | 95 | 221.2 | 18.8 | 57.3 | 0.0 | 27.6 |
| Latham | LH 4242 VT3PRO | 92 | 221.1 | 18.6 | 57.5 | 0.0 | 28.2 |
| Wensman | W 7110VT3PRIB | 90 | 221.0 | 17.8 | 56.8 | 0.0 | 28.0 |
| Rea | 4A950-RIB | 95 | 220.1 | 18.7 | 58.7 | 0.8 | 29.0 |
| Latham | LH 4568 VT3PRO | 95 | 219.6 | 18.9 | 57.7 | 0.8 | 28.4 |
| Rea | 4B941-RIB | 94 | 218.4 | 17.6 | 57.8 | 0.0 | 28.6 |
| Renk | RK568VT3P | 95 | 218.4 | 19.5 | 57.5 | 0.0 | 27.1 |
| Channel | 195-58STX | 95 | 218.3 | 18.1 | 56.5 | 0.0 | 26.4 |
| Pioneer | P9305YHR | 93 | 217.7 | 18.3 | 57.1 | 0.4 | 28.4 |
| DEKALB | DKC43-48RIB | 93 | 217.6 | 17.6 | 57.0 | 0.0 | 28.4 |
| Dairyland | DS-9791RA | 91 | 217.3 | 18.1 | 56.9 | 0.4 | 28.2 |
| Renk | RK557SSTX | 95 | 217.0 | 19.9 | 56.8 | 0.0 | 27.3 |
| Masters Choice | MCT 4564 | 92 | 217.0 | 20.2 | 53.0 | 0.4 | 27.8 |
| Epley | E9505RR | 95 | 214.6 | 18.4 | 59.5 | 0.4 | 27.4 |
| Federal Hybrids | 4520 VT3P | 95 | 213.6 | 18.7 | 59.7 | 0.0 | 27.9 |
| NuTech/G2 Genetics | 5X-894 | 94 | 213.0 | 18.0 | 56.7 | 0.4 | 28.2 |
| Latham | LH 4098 VT3PRO | 90 | 212.4 | 18.0 | 57.5 | 0.0 | 27.2 |
| Nuseed | 9504 VT3P | 95 | 212.0 | 17.8 | 57.0 | 0.4 | 28.5 |
| DEKALB | DKC43-10RIB | 93 | 211.8 | 17.6 | 56.1 | 0.0 | 27.4 |
| Proseed | 1295 SS | 95 | 211.8 | 19.7 | 57.5 | 0.0 | 25.6 |
| Pioneer | P9526AMX | 95 | 211.7 | 18.7 | 58.1 | 0.8 | 28.1 |
| Rea | 4B285-RIB | 93 | 211.6 | 17.5 | 55.5 | 0.0 | 28.6 |
| Channel | 191-87STX | 91 | 209.0 | 17.5 | 57.6 | 0.4 | 27.0 |
| Trial Average | | | 216.6 | 18.4 | 57.1 | 0.3 | 27.6 |
| LSD (0.05)† | | | 14.6 | 1.2 | 1.3 | NS | 1.1 |
| C.V.‡ | | | 4.8 | 4.6 | 1.6 | - | 2.7 |

† Yield, moisture, test weight, lodging, and plant population value required (≥LSD) to determine if hybrids are different from each other with confidence. No significant (NS) difference between hybrids.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

*Lodging percentage – stalks broken below the ear as a percentage of the final stand.

2013 Corn Hybrid Trial Results – Bath

| Table 1b. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – Early Season Trial (95 day or less) at Bath (16 Brands, 43 hybrids). | | | | | | | |
|--|-------------|-------------------|--------------------|------------------|-------------------|------------|-------------------------------|
| Hybrid Information | | | Measurements | | | | |
| Brand | Hybrid | Relative Maturity | Yield Bu/A (15.5%) | Grain Moisture % | Test Wt. (lbs/bu) | Lodging* % | Final Stand (plants/A x 1000) |
| Channel | 189-03VT2P | 89 | 208.9 | 16.1 | 57.4 | 0.8 | 27.3 |
| NuTech | EXP 5N-9404 | 94 | 208.4 | 20.3 | 55.6 | 0.4 | 23.7 |
| Federal Hybrids | 4240 VT3P | 92 | 207.9 | 18.1 | 56.6 | 0.8 | 28.7 |
| Rea | 3A921-RIB | 92 | 203.2 | 17.7 | 57.8 | 0.0 | 27.7 |
| Rea | 3A901-RIB | 90 | 203.1 | 17.5 | 56.1 | 0.0 | 25.8 |
| Renk | RK585VT3P | 95 | 202.7 | 17.7 | 56.4 | 0.8 | 27.7 |
| Nuseed | 9202 VT2P | 92 | 201.7 | 17.0 | 55.6 | 0.0 | 27.3 |
| Renk | RK492SSTX | 92 | 190.3 | 19.1 | 57.3 | 0.5 | 22.8 |
| Trial Average | | | 216.6 | 18.4 | 57.1 | 0.3 | 27.6 |
| LSD (0.05)† | | | 14.6 | 1.2 | 1.3 | NS | 1.1 |
| C.V.‡ | | | 4.8 | 4.6 | 1.6 | - | 2.7 |

† Yield, moisture, test weight, lodging, and plant population value required (\geq LSD) to determine if hybrids are different from each other with confidence. No significant (NS) difference between hybrids.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

*Lodging percentage – stalks broken below the ear as a percentage of the final stand.

2013 Corn Hybrid Trial Results – Bath

| Table 2a. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – Late Season Trial (96 day or more) at Bath (12 Brands, 42 hybrids). | | | | | | | |
|--|------------------|-------------------|--------------------|------------------|-------------------|------------|-------------------------------|
| Hybrid Information | | | Measurements | | | | |
| Brand | Hybrid | Relative Maturity | Yield Bu/A (15.5%) | Grain Moisture % | Test Wt. (lbs/bu) | Lodging* % | Final Stand (plants/A x 1000) |
| NuTech/G2 Genetics | 5H-399 | 99 | 227.3 | 20.4 | 53.2 | 0.4 | 27.2 |
| Pioneer | P0193AM | 101 | 226.0 | 20.8 | 53.1 | 1.6 | 27.2 |
| Wensman | W 7290VT3PRIB | 99 | 225.1 | 19.2 | 56.6 | 0.0 | 28.6 |
| Wensman | W 9288STXRIB | 98 | 224.4 | 21.1 | 54.6 | 0.0 | 27.1 |
| Pioneer | P9917AMX | 99 | 223.7 | 20.2 | 56.9 | 0.0 | 27.6 |
| | CHECK | 99 | 223.5 | 19.8 | 56.9 | 0.8 | 28.1 |
| DEKALB | DKC48-12RIB | 98 | 223.1 | 17.8 | 55.3 | 0.4 | 27.7 |
| NuTech/G2 Genetics | 3F-198 | 98 | 222.5 | 18.2 | 52.8 | 0.4 | 26.9 |
| Dekalb | DKC46-20RIB | 96 | 221.4 | 18.4 | 58.1 | 1.5 | 27.6 |
| Dekalb | DKC52-04RIB | 102 | 221.3 | 20.5 | 56.1 | 1.2 | 26.9 |
| Rea | 5A992-RIB | 99 | 220.8 | 20.8 | 54.5 | 0.0 | 27.3 |
| Nutech | 5N-498 | 98 | 219.2 | 20.5 | 54.7 | 0.0 | 25.9 |
| Pioneer | P0297XR | 102 | 219.1 | 22.0 | 55.1 | 2.4 | 27.0 |
| Peterson Farms | PFS55S96 | 96 | 218.8 | 19.2 | 57.1 | 0.0 | 27.4 |
| NuTech/G2 Genetics | 5Z-200 | 100 | 218.5 | 18.8 | 54.7 | 0.4 | 27.7 |
| Latham | LH 5185 VT2PRO | 101 | 218.1 | 20.7 | 55.2 | 2.1 | 25.8 |
| Latham | LH 4974 3000GT-A | 99 | 217.8 | 21.0 | 52.8 | 0.0 | 28.3 |
| Dairyland | DS-9501SSX | 101 | 217.4 | 19.6 | 54.4 | 0.0 | 27.1 |
| DEKALB | DKC49-29RIB | 99 | 217.2 | 19.4 | 56.0 | 0.4 | 28.1 |
| Pioneer | P0062AMX | 100 | 216.6 | 19.5 | 54.9 | 1.2 | 27.4 |
| Proseed | PX97 SSR | 97 | 215.8 | 18.1 | 55.7 | 0.0 | 27.3 |
| Dairyland | DS-9898RA | 98 | 215.8 | 23.6 | 53.2 | 0.0 | 27.9 |
| Proseed | PX96 SSSG | 96 | 215.7 | 18.3 | 57.0 | 0.8 | 27.1 |
| Proseed | PX99A GT3000 | 99 | 214.5 | 20.4 | 53.0 | 0.0 | 25.8 |
| Rea | 4A971-RIB | 97 | 214.1 | 18.3 | 56.5 | 0.0 | 26.8 |
| Rea | 5A508-RIB | 99 | 213.4 | 20.4 | 56.9 | 0.4 | 27.0 |
| Peterson Farms | PFS88A97 | 97 | 213.4 | 19.8 | 54.3 | 0.4 | 27.1 |
| Latham | LH 5088 SS | 100 | 211.9 | 20.8 | 55.5 | 0.0 | 26.1 |
| Latham | LH 4645 VT2PRO | 96 | 211.8 | 18.1 | 54.8 | 0.4 | 28.1 |
| NuTech/G2 Genetics | 5X-698 | 98 | 211.3 | 19.5 | 55.4 | 0.0 | 24.6 |
| Renk | RK581SSTX | 100 | 211.1 | 21.5 | 55.5 | 0.0 | 28.3 |
| Wensman | W 90967STX | 96 | 204.1 | 18.3 | 56.5 | 0.4 | 27.3 |
| NuTech/G2 Genetics | EXP 5Z-9605 | 96 | 204.0 | 19.0 | 55.0 | 0.4 | 27.4 |
| Masters Choice | MCT 4954 | 99 | 203.6 | 21.3 | 55.4 | 1.3 | 25.0 |
| Proseed | PX101R VT3P | 101 | 200.3 | 19.9 | 54.4 | 0.4 | 26.1 |
| Trial Average | | | 213.9 | 19.8 | 55.3 | 0.5 | 27.0 |
| LSD (0.05)† | | | 14.1 | 1.3 | 1.0 | NS | 1.0 |
| C.V.‡ | | | 4.7 | 4.5 | 1.3 | - | 2.6 |

† Yield, moisture, test weight, lodging, and plant population value required (\geq LSD) to determine if hybrids are different from each other with confidence. No significant (NS) difference between hybrids.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

*Lodging percentage – stalks broken below the ear as a percentage of the final stand.

2013 Corn Hybrid Trial Results – Bath

| Table 2b. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – Late Season Trial (96 day or more) at Bath (12 Brands, 42 hybrids). | | | | | | | |
|--|----------------|-------------------|--------------------|------------------|-------------------|------------|-------------------------------|
| Hybrid Information | | | Measurements | | | | |
| Brand | Hybrid | Relative Maturity | Yield Bu/A (15.5%) | Grain Moisture % | Test Wt. (lbs/bu) | Lodging* % | Final Stand (plants/A x 1000) |
| Dairyland | DS-9796 | 96 | 200.2 | 19.7 | 55.3 | 0.0 | 28.2 |
| Rea | 4A654-RIB | 96 | 199.5 | 19.0 | 54.9 | 0.4 | 26.6 |
| Rea | 5A980-RIB | 98 | 199.3 | 18.0 | 57.6 | 0.4 | 27.1 |
| Renk | RK598SSTX | 100 | 196.7 | 19.9 | 56.8 | 0.0 | 25.8 |
| Latham | LH 4679 SS | 96 | 192.5 | 20.0 | 54.1 | 0.4 | 26.4 |
| Latham | LH 4926 VT3PRO | 99 | 184.1 | 21.4 | 54.4 | 0.5 | 23.0 |
| Trial Average | | | 213.9 | 19.8 | 55.3 | 0.5 | 27.0 |
| LSD (0.05)† | | | 14.1 | 1.3 | 1.0 | NS | 1.0 |
| C.V.‡ | | | 4.7 | 4.5 | 1.3 | - | 2.6 |

† Yield, moisture, test weight, lodging, and plant population value required (\geq LSD) to determine if hybrids are different from each other with confidence. No significant (NS) difference between hybrids.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

*Lodging percentage – stalks broken below the ear as a percentage of the final stand.