

Silage Test Results

Statewide Summary: Corn Silage Performance, Georgia, 2019

| Company or Brand Name | Hybrid Name | Relative Maturity days | Dry Matter Yield | | | | |
|--------------------------|-------------------|------------------------------|-----------------------|-------------|-------------|-------------|-------------|
| | | | Statewide | Tifton | Athens | Calhoun | Blairsville |
| | | | ----- tons/acre ----- | | | | |
| AgraTech | 1024VIP | 125 | . | 14.1 | . | . | . |
| AgraTech | 1778VIP | 115 | . | 14.1 | . | . | . |
| AgraTech | 85VT2P | 117 | . | 14.1 | . | . | . |
| AgraTech | 909VIP | 118 | . | 13.7 | . | . | . |
| AgraTech | 998VIP | 120 | . | 12.2 | . | . | . |
| Armor | A1717 VT2P | 117 | . | 14.3 | 10.6 | . | . |
| Armor | X9116 VT2P | 116 | . | 13.3 | . | . | . |
| CROPLAN | S5700VT2P | 117 | . | 13.9 | . | . | . |
| CROPLAN | S5900VT2P | 119 | . | 13.8 | . | . | . |
| DEKALB | DKC65-99 TRECEPTA | 115 | 11.3 | 13.4 | 12.1 | 10.1 | 10.3 |
| DEKALB | DKC66-18 VT2P | 116 | 11.2 | 13.3 | 11.7 | 10.7 | 9.8 |
| DEKALB | DKC68-69 VT2P | 118 | 12.7 | 14.8 | 13.8 | 10.8 | 11.9 |
| DEKALB | DKC69-16 SS | 119 | 12.9 | 14.4 | 12.3 | 12.1 | 12.7 |
| DEKALB | DKC70-64 SS | 120 | 12.7 | 13.1 | 12.3 | 11.3 | 14.0 |
| Dyna-Gro | D55QC73 | 115 | . | 15.4 | 14.3 | . | . |
| Dyna-Gro | D57VC17 | 117 | . | 14.2 | 13.4 | . | . |
| Dyna-Gro | D58QC72 | 118 | . | 14.2 | 13.1 | . | . |
| Dyna-Gro | D58VC65 | 118 | . | 14.3 | 11.3 | . | . |
| Local Seed | LC1586 TC | 115 | . | 13.7 | . | . | . |
| Local Seed | LC1688 SSX | 116 | . | 12.5 | . | . | . |
| Local Seed | LC1776 VT2P | 117 | . | 13.8 | . | . | . |
| Local Seed | LC1878 VT2P | 118 | . | 14.9 | . | . | . |
| Local Seed | LCX17-94 | 117 | . | 13.9 | . | . | . |
| NK Brand | NK1573-3330 | 115 | . | 14.5 | . | . | . |
| NK Brand | NK1694-3111 | 116 | . | 14.4 | . | . | . |
| NK Brand | NK1808-3111 | 118 | . | 14.3 | . | . | . |
| Pioneer | P1662YHR | 116 | 12.6 | 14.9 | 14.5 | 9.7 | 11.2 |
| Pioneer | P1847VYHR | 118 | 13.0 | 14.2 | 14.4 | 9.6 | 12.9 |
| Pioneer | P1870YHR | 118 | . | 15.0 | . | . | . |
| Pioneer | P1903YHR | 119 | 13.2 | 13.3 | 14.7 | 11.0 | 14.2 |
| Terral Seed | REV24BHR99 | 114 | 12.4 | 13.5 | 13.6 | 10.3 | 12.3 |
| Terral Seed | REV25BHR26 | 115 | 12.1 | 14.5 | 12.9 | 10.2 | 11.9 |
| Terral Seed | REV26F87SX | 116 | 12.3 | 13.6 | 11.6 | 10.8 | 12.8 |
| Terral Seed | REV27F95PWE | 117 | 13.4 | 13.9 | 14.1 | 10.7 | 14.2 |
| Terral Seed | REV28BHR18 | 118 | 13.1 | 15.1 | 13.6 | 10.5 | 12.3 |
| Average | | | 12.5 | 14.0 | 13.0 | 10.6 | 12.3 |
| LSD at 10% Level | | | 0.8 | 1.0 | 2.0 | NS | 1.6 |
| Std. Err. of Entry Mean | | | 0.3 | 0.4 | 0.8 | 0.5 | 0.7 |
| Model R-squared | | | 0.53 | 0.51 | 0.46 | 0.39 | 0.62 |

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Quality Factors of Corn Hybrids for Silage Tifton, Georgia, 2019

| Company or Brand Name | Hybrid Name | Dry Yield tons/ac | UW Milk 2006 Model Calculated Values | | | | | | Quality Components | | | | | |
|-------------------------|-------------------|----------------------|--------------------------------------|---------------|------|-------------------|-----------------|-----------------|--------------------|------|---------------------|--------|--------|---------|
| | | | Milk production | | TDN | NE _L | NE _G | NE _M | ADF | aNDF | aNDFom | Lignin | NDFD30 | NDFD240 |
| | | | lb/ton | lb/acre | % DM | ---- Mcal/cwt --- | | | ----- % DM ----- | | ----- % NDFom ----- | | | |
| AgraTech | 1024VIP | 14.1 | 3129 | 43,994 | 69.6 | 63.0 | 51.1 | 79.2 | 25.5 | 41.3 | 40.0 | 3.9 | 58.5 | 68.3 |
| AgraTech | 1778VIP | 14.1 | 3410 | 48,142 | 73.2 | 66.1 | 56.5 | 85.4 | 20.8 | 34.5 | 33.2 | 3.2 | 61.5 | 70.9 |
| AgraTech | 85VT2P | 14.1 | 3422 | 48,216 | 73.1 | 66.2 | 56.8 | 85.7 | 19.2 | 32.0 | 30.8 | 3.0 | 58.7 | 70.7 |
| AgraTech | 909VIP | 13.7 | 3485 | 47,877 | 74.1 | 66.9 | 58.2 | 87.3 | 19.2 | 31.6 | 30.3 | 3.2 | 62.4 | 68.4 |
| AgraTech | 998VIP | 12.2 | 3345 | 40,770 | 72.6 | 65.6 | 55.0 | 83.7 | 22.3 | 37.5 | 36.2 | 3.3 | 62.2 | 70.6 |
| Armor | A1717 VT2P | 14.3 | 3483 | 49,870 | 73.7 | 66.8 | 58.0 | 87.1 | 17.9 | 30.1 | 28.9 | 2.8 | 57.2 | 71.6 |
| Armor | X9116 VT2P | 13.3 | 3354 | 44,568 | 72.0 | 65.3 | 55.9 | 84.7 | 19.2 | 31.1 | 29.9 | 3.6 | 55.8 | 63.4 |
| CROPLAN | S5700VT2P | 13.9 | 3399 | 47,070 | 72.7 | 65.8 | 56.4 | 85.3 | 19.5 | 32.1 | 31.0 | 2.9 | 57.0 | 70.3 |
| CROPLAN | S5900VT2P | 13.8 | 3467 | 47,665 | 73.5 | 66.8 | 57.6 | 86.7 | 18.3 | 29.6 | 28.5 | 3.0 | 57.0 | 69.8 |
| DEKALB | DKC65-99 TRECEPTA | 13.4 | 3478 | 46,599 | 73.8 | 66.9 | 57.8 | 87.0 | 18.7 | 30.9 | 29.8 | 2.8 | 60.0 | 71.7 |
| DEKALB | DKC66-18 VT2P | 13.3 | 3366 | 44,734 | 72.4 | 65.4 | 55.7 | 84.4 | 20.3 | 34.3 | 33.1 | 3.1 | 58.2 | 72.9 |
| DEKALB | DKC68-69 VT2P | 14.8 | 3444 | 50,971 | 73.7 | 66.5 | 57.2 | 86.2 | 20.3 | 33.1 | 32.0 | 3.3 | 62.6 | 70.0 |
| DEKALB | DKC69-16 SS | 14.4 | 3421 | 49,085 | 72.9 | 66.1 | 56.9 | 85.9 | 18.3 | 30.1 | 29.0 | 2.9 | 56.5 | 69.4 |
| DEKALB | DKC70-64 SS | 13.1 | 3350 | 43,745 | 72.1 | 65.8 | 55.2 | 84.0 | 20.1 | 33.9 | 32.6 | 3.6 | 57.6 | 66.9 |
| Dyna-Gro | D55QC73 | 15.4 | 3457 | 53,161 | 73.6 | 66.6 | 57.5 | 86.6 | 18.9 | 31.2 | 29.9 | 3.1 | 59.8 | 69.3 |
| Dyna-Gro | D57VC17 | 14.2 | 3417 | 48,487 | 72.9 | 66.0 | 57.0 | 86.0 | 18.7 | 30.5 | 29.3 | 3.0 | 57.6 | 69.1 |
| Dyna-Gro | D58QC72 | 14.2 | 3475 | 49,477 | 73.6 | 66.9 | 58.0 | 87.1 | 17.5 | 29.2 | 27.9 | 3.0 | 58.3 | 70.3 |
| Dyna-Gro | D58VC65 | 14.3 | 3395 | 48,508 | 72.4 | 65.9 | 56.6 | 85.5 | 18.4 | 30.1 | 29.0 | 3.1 | 54.1 | 67.4 |
| Local Seed | LC1586 TC | 13.7 | 3544 | 48,695 | 74.6 | 67.6 | 59.2 | 88.5 | 17.1 | 28.8 | 27.5 | 3.0 | 60.8 | 69.5 |
| Local Seed | LC1688 SSX | 12.5 | 3486 | 43,430 | 74.0 | 66.9 | 57.8 | 86.9 | 19.0 | 31.8 | 30.5 | 3.0 | 60.7 | 70.0 |
| Local Seed | LC1776 VT2P | 13.8 | 3504 | 48,209 | 74.0 | 67.1 | 58.4 | 87.6 | 17.4 | 29.0 | 27.9 | 2.8 | 57.9 | 70.2 |
| Local Seed | LC1878 VT2P | 14.9 | 3479 | 51,768 | 73.6 | 66.8 | 58.1 | 87.3 | 17.5 | 28.3 | 27.2 | 3.0 | 55.9 | 68.4 |
| Local Seed | LCX17-94 | 13.9 | 3443 | 47,686 | 73.3 | 66.5 | 57.4 | 86.4 | 18.2 | 29.8 | 28.5 | 3.2 | 58.1 | 68.1 |
| NK Brand | NK1573-3330 | 14.5 | 3410 | 49,275 | 72.8 | 65.9 | 56.9 | 85.9 | 18.7 | 30.8 | 29.5 | 3.2 | 57.2 | 69.4 |
| NK Brand | NK1694-3111 | 14.4 | 3613 | 51,876 | 75.6 | 68.3 | 60.2 | 89.7 | 17.1 | 28.8 | 27.5 | 2.7 | 62.6 | 72.6 |
| NK Brand | NK1808-3111 | 14.3 | 3390 | 48,444 | 72.6 | 65.6 | 56.7 | 85.6 | 18.8 | 30.3 | 29.1 | 3.2 | 57.3 | 67.8 |
| Pioneer | P1662YHR | 14.9 | 3620 | 54,083 | 75.7 | 68.5 | 60.4 | 89.9 | 17.2 | 28.8 | 27.6 | 2.8 | 63.4 | 72.3 |
| Pioneer | P1847VYHR | 14.2 | 3544 | 50,212 | 74.7 | 67.5 | 59.1 | 88.4 | 17.7 | 29.8 | 28.6 | 2.7 | 61.4 | 71.9 |
| Pioneer | P1870YHR | 15.0 | 3505 | 52,400 | 73.9 | 67.1 | 58.8 | 88.1 | 16.3 | 26.5 | 25.4 | 3.0 | 55.9 | 65.9 |
| Pioneer | P1903YHR | 13.3 | 3543 | 47,016 | 74.7 | 67.4 | 59.1 | 88.4 | 18.2 | 29.7 | 28.5 | 2.8 | 61.0 | 70.3 |
| Terral Seed | REV24BHR99 | 13.5 | 3444 | 46,556 | 73.4 | 66.2 | 57.4 | 86.4 | 18.6 | 30.9 | 29.7 | 3.1 | 59.4 | 68.7 |
| Terral Seed | REV25BHR26 | 14.5 | 3474 | 50,512 | 73.6 | 66.8 | 57.9 | 87.0 | 17.6 | 29.1 | 27.9 | 2.9 | 58.1 | 70.0 |
| Terral Seed | REV26F87SX | 13.6 | 3400 | 46,376 | 72.7 | 66.0 | 56.4 | 85.3 | 19.4 | 31.6 | 30.4 | 3.3 | 58.0 | 67.5 |
| Terral Seed | REV27F95PWE | 13.9 | 3246 | 45,217 | 70.6 | 64.0 | 53.9 | 82.4 | 20.7 | 33.5 | 32.2 | 3.5 | 54.9 | 66.2 |
| Terral Seed | REV28BHR18 | 15.1 | 3472 | 52,559 | 73.3 | 66.7 | 58.3 | 87.5 | 16.3 | 26.1 | 25.0 | 2.9 | 53.0 | 65.9 |
| Average | | 14.0 | 3440 | 48,207 | 73.3 | 66.4 | 57.2 | 86.3 | 18.8 | 31.1 | 29.8 | 3.1 | 58.6 | 69.3 |
| LSD at 10% Level | | 1.0 | 158 | 2,199 | 2.2 | 1.7 | 2.9 | 3.3 | 2.2 | 3.5 | 3.5 | NS | 5.1 | NS |
| Std. Err. of Entry Mean | | 0.4 | 66 | 919 | 0.9 | 0.7 | 1.2 | 1.4 | 0.9 | 1.5 | 1.5 | 0.2 | 2.1 | 1.9 |
| Model R-squared | | 0.51 | 0.66 | 0.91 | 0.63 | 0.68 | 0.68 | 0.68 | 0.79 | 0.79 | 0.79 | 0.55 | 0.59 | 0.56 |

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Samples for quality analysis collected when hybrid reaches the 50% milk line.

Sample analysis conducted by Dairyland Laboratories, Arcadia, WI.

Dry Yields collected when all hybrids are believed to have reached 35% dry matter or higher.

Note: These Milk 2006 values assume no kernal processing is performed. Hybrids with kernals that shatter more easily, or processing of kernals will result in higher values.

Nutrient Analysis of Corn Hybrids for Silage Tifton, Georgia, 2019

| Company or Brand Name | Hybrid Name | Calc. Milk lbs/ac | Grain Portion | Crude Protein | Starch | Sugar (WSC) | Fat (EE) | Fat (TFA) | Palmitic 16:0 | Stearic 18:0 | Oleic 18:1 | Linoleic 18:2 | Linolenic 18:3 |
|--------------------------|-------------------|-------------------------|------------------|------------------|--------|----------------|-------------------|--------------|------------------|-----------------|---------------|------------------|-------------------|
| | | ----- % DM ----- | | | | | ----- % TFA ----- | | | | | | |
| AgraTech | 1024VIP | 43,994 | 43.2 | 9.0 | 33.6 | 10.5 | 2.8 | 2.0 | 18.4 | 2.2 | 26.4 | 45.3 | 6.0 |
| AgraTech | 1778VIP | 48,142 | 47.7 | 8.9 | 41.5 | 10.7 | 3.0 | 2.4 | 16.7 | 1.9 | 25.7 | 47.8 | 6.1 |
| AgraTech | 85VT2P | 48,216 | 56.2 | 8.9 | 44.0 | 8.8 | 3.9 | 3.1 | 16.0 | 1.6 | 25.8 | 49.1 | 5.7 |
| AgraTech | 909VIP | 47,877 | 50.0 | 9.7 | 43.8 | 10.0 | 3.3 | 2.6 | 16.7 | 1.9 | 25.9 | 47.7 | 5.9 |
| AgraTech | 998VIP | 40,770 | 38.2 | 9.0 | 36.4 | 10.8 | 3.0 | 2.3 | 17.5 | 2.2 | 25.7 | 46.6 | 6.3 |
| Armor | A1717 VT2P | 49,870 | 54.6 | 8.7 | 47.6 | 8.6 | 3.7 | 2.9 | 15.5 | 1.5 | 25.9 | 50.0 | 5.1 |
| Armor | X9116 VT2P | 44,568 | 53.8 | 9.1 | 45.5 | 8.9 | 3.2 | 2.7 | 15.9 | 1.7 | 25.7 | 49.2 | 5.9 |
| CROPLAN | S5700VT2P | 47,070 | 53.5 | 8.5 | 45.6 | 9.0 | 3.2 | 2.6 | 15.8 | 1.8 | 25.9 | 49.8 | 5.0 |
| CROPLAN | S5900VT2P | 47,665 | 50.8 | 8.9 | 46.2 | 9.6 | 4.0 | 3.1 | 15.7 | 1.6 | 25.9 | 49.2 | 5.7 |
| DEKALB | DKC65-99 TRECEPTA | 46,599 | 56.4 | 9.2 | 44.6 | 8.9 | 3.6 | 2.9 | 16.1 | 1.8 | 25.9 | 49.0 | 5.6 |
| DEKALB | DKC66-18 VT2P | 44,734 | 59.4 | 8.1 | 43.7 | 8.1 | 3.0 | 2.4 | 15.3 | 1.9 | 25.7 | 50.5 | 4.8 |
| DEKALB | DKC68-69 VT2P | 50,971 | 52.5 | 9.2 | 41.5 | 9.4 | 3.4 | 2.7 | 16.6 | 1.9 | 25.9 | 48.4 | 5.6 |
| DEKALB | DKC69-16 SS | 49,085 | 55.5 | 8.8 | 46.7 | 9.0 | 3.6 | 2.9 | 15.6 | 1.7 | 26.0 | 49.4 | 5.5 |
| DEKALB | DKC70-64 SS | 43,745 | 44.5 | 9.7 | 39.0 | 10.8 | 3.5 | 2.7 | 16.8 | 1.9 | 25.6 | 47.3 | 6.6 |
| Dyna-Gro | D55QC73 | 53,161 | 48.2 | 9.3 | 44.3 | 10.1 | 3.5 | 2.8 | 16.2 | 1.8 | 25.6 | 48.6 | 6.0 |
| Dyna-Gro | D57VC17 | 48,487 | 56.0 | 9.1 | 46.2 | 9.1 | 3.5 | 2.8 | 15.8 | 1.8 | 25.6 | 49.3 | 5.8 |
| Dyna-Gro | D58QC72 | 49,477 | 55.3 | 9.9 | 45.2 | 9.5 | 3.5 | 2.9 | 16.1 | 1.8 | 25.3 | 48.9 | 6.1 |
| Dyna-Gro | D58VC65 | 48,508 | 57.7 | 9.2 | 47.0 | 8.7 | 3.9 | 3.1 | 15.8 | 1.6 | 25.8 | 49.5 | 5.5 |
| Local Seed | LC1586 TC | 48,695 | 53.5 | 9.6 | 46.3 | 9.8 | 3.7 | 3.0 | 16.3 | 1.7 | 25.7 | 48.4 | 6.1 |
| Local Seed | LC1688 SSX | 43,430 | 53.5 | 8.4 | 44.6 | 9.3 | 3.4 | 2.8 | 15.9 | 1.8 | 26.0 | 49.4 | 5.1 |
| Local Seed | LC1776 VT2P | 48,209 | 59.3 | 8.7 | 47.7 | 8.3 | 4.0 | 3.2 | 15.6 | 1.6 | 26.0 | 49.8 | 5.3 |
| Local Seed | LC1878 VT2P | 51,768 | 58.0 | 8.9 | 48.7 | 9.6 | 3.6 | 2.9 | 15.6 | 1.6 | 25.8 | 50.0 | 5.3 |
| Local Seed | LCX17-94 | 47,686 | 54.2 | 9.6 | 45.0 | 9.6 | 3.3 | 2.7 | 15.9 | 1.9 | 25.1 | 49.4 | 5.8 |
| NK Brand | NK1573-3330 | 49,275 | 55.3 | 9.2 | 46.5 | 9.2 | 3.1 | 2.6 | 15.8 | 1.6 | 25.3 | 49.8 | 5.8 |
| NK Brand | NK1694-3111 | 51,876 | 55.3 | 8.7 | 48.0 | 9.4 | 3.8 | 3.1 | 15.6 | 1.6 | 25.8 | 49.8 | 5.4 |
| NK Brand | NK1808-3111 | 48,444 | 50.5 | 9.4 | 46.0 | 9.4 | 3.0 | 2.5 | 16.1 | 1.6 | 25.7 | 49.1 | 5.8 |
| Pioneer | P1662YHR | 54,083 | 55.5 | 9.2 | 47.0 | 9.7 | 4.1 | 3.3 | 16.0 | 1.6 | 25.9 | 49.0 | 5.7 |
| Pioneer | P1847VYHR | 50,212 | 53.1 | 8.9 | 46.9 | 9.7 | 3.5 | 2.8 | 15.8 | 1.8 | 25.8 | 49.2 | 5.7 |
| Pioneer | P1870YHR | 52,400 | 58.0 | 9.8 | 49.2 | 9.5 | 3.8 | 3.1 | 15.6 | 1.6 | 25.6 | 49.4 | 5.8 |
| Pioneer | P1903YHR | 47,016 | 54.8 | 8.9 | 47.3 | 9.2 | 3.6 | 2.9 | 15.9 | 1.7 | 26.0 | 49.4 | 5.3 |
| Terral Seed | REV24BHR99 | 46,556 | 54.2 | 9.0 | 45.8 | 9.6 | 3.3 | 2.7 | 16.0 | 1.9 | 25.4 | 49.0 | 6.0 |
| Terral Seed | REV25BHR26 | 50,512 | 55.6 | 9.2 | 46.3 | 10.0 | 3.4 | 2.8 | 15.9 | 1.8 | 25.5 | 49.2 | 5.9 |
| Terral Seed | REV26F87SX | 46,376 | 50.0 | 9.2 | 43.5 | 9.3 | 3.4 | 2.7 | 16.0 | 1.8 | 26.0 | 48.8 | 5.5 |
| Terral Seed | REV27F95PWE | 45,217 | 50.3 | 9.3 | 42.8 | 9.3 | 3.1 | 2.5 | 16.4 | 1.8 | 25.9 | 48.6 | 5.7 |
| Terral Seed | REV28BHR18 | 52,559 | 58.3 | 9.3 | 50.9 | 9.4 | 4.0 | 3.2 | 15.5 | 1.6 | 25.9 | 49.9 | 5.4 |
| Average | | 48,207 | 53.2 | 9.1 | 45.0 | 9.4 | 3.5 | 2.8 | 16.1 | 1.8 | 25.8 | 49.0 | 5.7 |
| LSD at 10% Level | | 2,199 | 2.3 | NS | 5.0 | 0.9 | 0.4 | 0.3 | 0.8 | 0.2 | 0.4 | 1.5 | NS |
| Std. Err. of Entry Mean | | 919 | 1.0 | 0.3 | 2.1 | 0.4 | 0.2 | 0.1 | 0.3 | 0.1 | 0.2 | 0.6 | 0.4 |
| Model R-squared | | 0.91 | 0.96 | 0.62 | 0.73 | 0.75 | 0.81 | 0.82 | 0.77 | 0.77 | 0.69 | 0.74 | 0.55 |

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Silage analysis conducted by Dairyland Laboratories, Arcadia, WI.

"Calculated Milk" reprinted from Quality Factors table, based on UW Milk 2006 model.

"Grain portion" measured by SWVT staff.

Elemental Analysis of Corn Hybrids for Silage Tifton, Georgia, 2019

| Company or Brand Name | Hybrid Name | Relative Maturity days | Calculated Milk lbs/ac | Dry Yield tons/ac | Ash | P | K | Ca | Mg | S | ----- % DM ----- | |
|--------------------------|-------------------|------------------------------|------------------------------|-------------------------|------|------|------|------|------|------|------------------|--|
| | | | | | | | | | | | | |
| AgraTech | 1024VIP | 125 | 43,994 | 14.1 | 5.01 | 0.22 | 1.30 | 0.35 | 0.26 | 0.10 | | |
| AgraTech | 1778VIP | 115 | 48,142 | 14.1 | 4.60 | 0.23 | 1.23 | 0.28 | 0.21 | 0.10 | | |
| AgraTech | 85VT2P | 117 | 48,216 | 14.1 | 4.88 | 0.26 | 1.13 | 0.22 | 0.14 | 0.11 | | |
| AgraTech | 909VIP | 118 | 47,877 | 13.7 | 4.68 | 0.26 | 1.39 | 0.28 | 0.20 | 0.11 | | |
| AgraTech | 998VIP | 120 | 40,770 | 12.2 | 4.90 | 0.23 | 1.22 | 0.32 | 0.24 | 0.10 | | |
| Armor | A1717 VT2P | 117 | 49,870 | 14.3 | 4.02 | 0.25 | 0.95 | 0.20 | 0.12 | 0.10 | | |
| Armor | X9116 VT2P | 116 | 44,568 | 13.3 | 4.94 | 0.25 | 1.49 | 0.22 | 0.14 | 0.11 | | |
| CROPLAN | S5700VT2P | 117 | 47,070 | 13.9 | 4.16 | 0.24 | 0.97 | 0.24 | 0.17 | 0.10 | | |
| CROPLAN | S5900VT2P | 119 | 47,665 | 13.8 | 4.59 | 0.26 | 1.05 | 0.21 | 0.13 | 0.11 | | |
| DEKALB | DKC65-99 TRECEPTA | 115 | 46,599 | 13.4 | 4.66 | 0.26 | 1.09 | 0.23 | 0.16 | 0.11 | | |
| DEKALB | DKC66-18 VT2P | 116 | 44,734 | 13.3 | 4.33 | 0.24 | 1.00 | 0.23 | 0.16 | 0.10 | | |
| DEKALB | DKC68-69 VT2P | 118 | 50,971 | 14.8 | 5.05 | 0.25 | 1.29 | 0.30 | 0.22 | 0.12 | | |
| DEKALB | DKC69-16 SS | 119 | 49,085 | 14.4 | 4.77 | 0.25 | 1.09 | 0.22 | 0.16 | 0.11 | | |
| DEKALB | DKC70-64 SS | 120 | 43,745 | 13.1 | 4.85 | 0.26 | 1.34 | 0.27 | 0.19 | 0.11 | | |
| Dyna-Gro | D55QC73 | 115 | 53,161 | 15.4 | 4.72 | 0.25 | 1.25 | 0.23 | 0.15 | 0.11 | | |
| Dyna-Gro | D57VC17 | 117 | 48,487 | 14.2 | 4.81 | 0.26 | 1.27 | 0.21 | 0.13 | 0.10 | | |
| Dyna-Gro | D58QC72 | 118 | 49,477 | 14.2 | 4.95 | 0.27 | 1.23 | 0.22 | 0.14 | 0.12 | | |
| Dyna-Gro | D58VC65 | 118 | 48,508 | 14.3 | 4.52 | 0.26 | 1.18 | 0.19 | 0.11 | 0.11 | | |
| Local Seed | LC1586 TC | 115 | 48,695 | 13.7 | 4.66 | 0.26 | 1.23 | 0.23 | 0.16 | 0.11 | | |
| Local Seed | LC1688 SSX | 116 | 43,430 | 12.5 | 4.53 | 0.24 | 1.09 | 0.26 | 0.20 | 0.10 | | |
| Local Seed | LC1776 VT2P | 117 | 48,209 | 13.8 | 4.61 | 0.26 | 1.08 | 0.19 | 0.12 | 0.11 | | |
| Local Seed | LC1878 VT2P | 118 | 51,768 | 14.9 | 4.24 | 0.26 | 1.14 | 0.22 | 0.15 | 0.10 | | |
| Local Seed | LCX17-94 | 117 | 47,686 | 13.9 | 4.87 | 0.27 | 1.31 | 0.25 | 0.17 | 0.11 | | |
| NK Brand | NK1573-3330 | 115 | 49,275 | 14.5 | 4.54 | 0.25 | 1.23 | 0.21 | 0.13 | 0.10 | | |
| NK Brand | NK1694-3111 | 116 | 51,876 | 14.4 | 4.40 | 0.25 | 1.11 | 0.18 | 0.12 | 0.10 | | |
| NK Brand | NK1808-3111 | 118 | 48,444 | 14.3 | 4.90 | 0.25 | 1.29 | 0.24 | 0.15 | 0.11 | | |
| Pioneer | P1662YHR | 116 | 54,083 | 14.9 | 4.55 | 0.26 | 1.14 | 0.21 | 0.14 | 0.11 | | |
| Pioneer | P1847VYHR | 118 | 50,212 | 14.2 | 4.39 | 0.25 | 1.13 | 0.22 | 0.15 | 0.10 | | |
| Pioneer | P1870YHR | 118 | 52,400 | 15.0 | 4.78 | 0.27 | 1.29 | 0.21 | 0.13 | 0.11 | | |
| Pioneer | P1903YHR | 119 | 47,016 | 13.3 | 4.37 | 0.25 | 1.13 | 0.22 | 0.15 | 0.10 | | |
| Terral Seed | REV24BHR99 | 114 | 46,556 | 13.5 | 4.84 | 0.25 | 1.34 | 0.22 | 0.15 | 0.10 | | |
| Terral Seed | REV25BHR26 | 115 | 50,512 | 14.5 | 4.72 | 0.26 | 1.19 | 0.25 | 0.17 | 0.11 | | |
| Terral Seed | REV26F87SX | 116 | 46,376 | 13.6 | 4.86 | 0.26 | 1.23 | 0.26 | 0.19 | 0.11 | | |
| Terral Seed | REV27F95PWE | 117 | 45,217 | 13.9 | 5.19 | 0.25 | 1.34 | 0.28 | 0.19 | 0.11 | | |
| Terral Seed | REV28BHR18 | 118 | 52,559 | 15.1 | 4.69 | 0.27 | 1.18 | 0.19 | 0.12 | 0.11 | | |
| Average | | | 48,207 | 14.0 | 4.67 | 0.25 | 1.20 | 0.23 | 0.16 | 0.11 | | |
| LSD at 10% Level | | | 2,199 | 1.0 | NS | 0.01 | NS | 0.05 | 0.04 | NS | | |
| Std. Err. of Entry Mean | | | 919 | 0.4 | 0.24 | 0.01 | 0.13 | 0.02 | 0.02 | -- | | |
| Model R-squared | | | 0.91 | 0.51 | 0.60 | 0.81 | 0.48 | 0.79 | 0.78 | 0.61 | | |

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Silage analysis conducted by Dairyland Laboratories, Arcadia, WI.

"Calculated Milk" reprinted from Quality Factors table, based on UW Milk 2006 model.

Tifton, Georgia: Evaluation of Corn Hybrids for Silage, 2019, Irrigated

| Company or Brand Name | Hybrid Name | Relative Maturity days | Forage Yield | | Dry Matter % | Grain Portion % | Plant Pop. no. | Dry Yield 2-Yr Avg tons/acre |
|--------------------------|-------------------|------------------------------|-------------------|---------------------------------|--------------------|-----------------------|----------------------|------------------------------------|
| | | | Dry tons/acre | Green ¹ tons/acre | | | | |
| Dyna-Gro | D55QC73 | 115 | 15.4 | 43.9 | 43.6 | 48 | 34,378 | 14.6 |
| Terral Seed | REV28BHR18 | 118 | 15.1 | 43.3 | 49.3 | 58 | 33,097 | 14.7 |
| Pioneer | P1870YHR | 118 | 15.0 | 42.7 | 45.7 | 58 | 35,872 | 14.2 |
| Pioneer | P1662YHR | 116 | 14.9 | 42.7 | 48.3 | 55 | 35,018 | 14.5 |
| Local Seed | LC1878 VT2P | 118 | 14.9 | 42.5 | 52.9 | 58 | 34,591 | . |
| DEKALB | DKC68-69 VT2P | 118 | 14.8 | 42.3 | 46.8 | 53 | 35,445 | 13.6 |
| Terral Seed | REV25BHR26 | 115 | 14.5 | 41.6 | 44.6 | 56 | 35,018 | 14.5 |
| NK Brand | NK1573-3330 | 115 | 14.5 | 41.3 | 47.3 | 55 | 36,300 | . |
| NK Brand | NK1694-3111 | 116 | 14.4 | 41.0 | 45.7 | 55 | 33,951 | 13.8 |
| DEKALB | DKC69-16 SS | 119 | 14.4 | 41.0 | 47.3 | 56 | 34,591 | 14.1 |
| Armor | A1717 VT2P | 117 | 14.3 | 40.9 | 47.5 | 55 | 34,164 | . |
| Dyna-Gro | D58VC65 | 118 | 14.3 | 40.8 | 46.0 | 58 | 35,445 | 13.4 |
| NK Brand | NK1808-3111 | 118 | 14.3 | 40.8 | 45.9 | 51 | 34,378 | 14.4 |
| Dyna-Gro | D58QC72 | 118 | 14.2 | 40.7 | 43.9 | 55 | 31,815 | 13.9 |
| Dyna-Gro | D57VC17 | 117 | 14.2 | 40.6 | 48.8 | 56 | 34,378 | . |
| Pioneer | P1847VYHR | 118 | 14.2 | 40.5 | 44.9 | 53 | 35,445 | 14.5 |
| AgraTech | 1778VIP | 115 | 14.1 | 40.4 | 43.0 | 48 | 35,018 | 14.7 |
| AgraTech | 85VT2P | 117 | 14.1 | 40.3 | 47.5 | 56 | 35,232 | . |
| AgraTech | 1024VIP | 125 | 14.1 | 40.2 | 37.4 | 43 | 33,524 | 14.4 |
| Terral Seed | REV27F95PWE | 117 | 13.9 | 39.8 | 44.5 | 50 | 35,232 | 14.0 |
| CROPLAN | S5700VT2P | 117 | 13.9 | 39.6 | 44.8 | 54 | 34,591 | 14.0 |
| Local Seed | LCX17-94 | 117 | 13.9 | 39.6 | 44.6 | 54 | 35,659 | . |
| Local Seed | LC1776 VT2P | 117 | 13.8 | 39.3 | 50.2 | 59 | 36,086 | . |
| CROPLAN | S5900VT2P | 119 | 13.8 | 39.3 | 41.4 | 51 | 36,299 | 13.8 |
| AgraTech | 909VIP | 118 | 13.7 | 39.3 | 43.1 | 50 | 32,883 | 13.3 |
| Local Seed | LC1586 TC | 115 | 13.7 | 39.3 | 45.5 | 53 | 33,951 | . |
| Terral Seed | REV26F87SX | 116 | 13.6 | 39.0 | 42.7 | 50 | 35,659 | . |
| Terral Seed | REV24BHR99 | 114 | 13.5 | 38.6 | 48.3 | 54 | 34,591 | . |
| DEKALB | DKC65-99 TRECEPTA | 115 | 13.4 | 38.3 | 49.9 | 56 | 36,513 | . |
| Armor | X9116 VT2P | 116 | 13.3 | 38.0 | 49.1 | 54 | 31,815 | . |
| DEKALB | DKC66-18 VT2P | 116 | 13.3 | 38.0 | 50.5 | 59 | 35,872 | . |
| Pioneer | P1903YHR | 119 | 13.3 | 37.9 | 44.6 | 55 | 30,961 | . |
| DEKALB | DKC70-64 SS | 120 | 13.1 | 37.3 | 41.6 | 45 | 33,097 | . |
| Local Seed | LC1688 SSX | 116 | 12.5 | 35.6 | 46.7 | 53 | 33,310 | . |
| AgraTech | 998VIP | 120 | 12.2 | 34.8 | 40.2 | 38 | 35,018 | . |
| Average | | | 14.0 ² | 40.1 | 45.8 | 53 | 34,548 | 14.1 |
| LSD at 10% Level | | | 1.0 | 3.0 | 1.8 | 2 | 2,190 | NS |
| Std. Err. of Entry Mean | | | 0.4 | 1.2 | 0.8 | 1 | 933 | 0.6 |
| Model R-squared | | | 0.51 | 0.51 | 0.86 | 0.96 | 0.41 | 0.17 |

1. Green yields are standardized to 35% dry matter.

2. CV = 5.8%, and df for EMS = 86.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: March 30, 2019.

Harvested: July 25, 2019.

Seeding Rate: 34,000 seeds per acre in 36-inch rows.

Soil Type: Tifton sandy loam.

Soil Test: P = High, K = Medium, and pH = 6.3.

Fertilization: 130 lb N, 220 lb P₂O₅, and 310 lb K₂O/acre as preplant; 260 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Conventional tillage. Atrazine, Warrant, Zidual, and Basagran applied for weed control. Telone II applied for nematode control. Irrigated 16 inches.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Athens, Georgia:
Evaluation of Corn Hybrids for Silage, 2019, Irrigated

| Company or Brand Name | Hybrid Name | Relative Maturity days | Forage Yield | | Dry Matter % | Plant Pop. no. | Dry Yield 2-Yr Avg tons/acre |
|--------------------------|-------------------|------------------------------|-------------------|--------------------|--------------------|----------------------|------------------------------------|
| | | | Dry tons/acre | Green ¹ | | | |
| Pioneer | P1903YHR | 119 | 14.7 | 42.0 | 39.0 | 34,584 | . |
| Pioneer | P1662YHR | 116 | 14.5 | 41.5 | 39.4 | 34,056 | 12.6 |
| Pioneer | P1847VYHR | 118 | 14.4 | 41.1 | 36.6 | 35,244 | 12.4 |
| Dyna-Gro | D55QC73 | 115 | 14.3 | 40.8 | 37.4 | 34,254 | . |
| Terral Seed | REV27F95PWE | 117 | 14.1 | 40.3 | 39.0 | 32,274 | 13.1 |
| DEKALB | DKC68-69 VT2P | 118 | 13.8 | 39.3 | 36.1 | 35,112 | 12.5 |
| Terral Seed | REV28BHR18 | 118 | 13.6 | 38.9 | 38.7 | 33,264 | 11.7 |
| Terral Seed | REV24BHR99 | 114 | 13.6 | 38.9 | 41.1 | 34,452 | . |
| Dyna-Gro | D57VC17 | 117 | 13.4 | 38.2 | 39.7 | 36,036 | . |
| Dyna-Gro | D58QC72 | 118 | 13.1 | 37.4 | 34.0 | 34,056 | . |
| Terral Seed | REV25BHR26 | 115 | 12.9 | 36.9 | 32.8 | 33,264 | 11.4 |
| DEKALB | DKC69-16 SS | 119 | 12.3 | 35.2 | 32.7 | 34,848 | 11.2 |
| DEKALB | DKC70-64 SS | 120 | 12.3 | 35.0 | 38.7 | 34,320 | . |
| DEKALB | DKC65-99 TRECEPTA | 115 | 12.1 | 34.5 | 36.5 | 35,376 | . |
| DEKALB | DKC66-18 VT2P | 116 | 11.7 | 33.4 | 41.8 | 34,254 | . |
| Terral Seed | REV26F87SX | 116 | 11.6 | 33.1 | 31.9 | 35,838 | . |
| Dyna-Gro | D58VC65 | 118 | 11.3 | 32.2 | 38.0 | 32,208 | . |
| Dyna-Gro | CX19617 | 117 | 10.6 | 30.3 | 39.9 | 33,858 | . |
| Average | | | 13.0 ² | 37.2 | 37.4 | 34,292 | 12.1 |
| LSD at 10% Level | | | 2.0 | 5.6 | 4.8 | 1,362 | 1.1 |
| Std. Err. of Entry Mean | | | 0.8 | 2.3 | 1.9 | 549 | 0.5 |
| Model R-squared | | | 0.46 | 0.46 | 0.48 | 0.58 | 0.61 |

1. Green yields are standardized to 35% dry matter.

2. CV = 12.1%, and df for EMS = 46.

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: March 28, 2019.

Harvested: August 1, 2019, with 2,801 Growing Degree Units accumulated.

Seeding Rate: 34,000 seeds per acre in 30-inch rows.

Soil Type: Wickham sandy loam.

Previous Crop: Small grains.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 46 lb N, 241 lb P₂O₅, and 279 lb K₂O/acre as preplant; 355 lb N/acre as sidedress.

Management: Conventional tillage. Atrazine and Roundup applied for weed control.
Irrigated 14.5 inches.

Test conducted by H. Jordan, G. Ware, B. Weldy, C. Fox, J. Griffin, and K. Roach.

Calhoun, Georgia: Evaluation of Corn Hybrids for Silage, 2019, Irrigated

| Company or Brand Name | Hybrid Name | Relative Maturity days | Forage Yield | | Dry Matter % | Plant Pop. no. | Dry Yield 2-Yr Avg tons/acre |
|--------------------------|-------------------|------------------------------|-------------------|---------------------------------|--------------------|----------------------|------------------------------------|
| | | | Dry tons/acre | Green ¹ tons/acre | | | |
| DEKALB | DKC69-16 SS | 119 | 12.1 | 34.5 | 47.4 | 31,878 | 12.2 |
| DEKALB | DKC70-64 SS | 120 | 11.3 | 32.3 | 44.7 | 33,264 | . |
| Pioneer | P1903YHR | 119 | 11.0 | 31.4 | 44.9 | 32,472 | . |
| Terral Seed | REV26F87SX | 116 | 10.8 | 30.9 | 44.0 | 32,670 | . |
| DEKALB | DKC68-69 VT2P | 118 | 10.8 | 30.8 | 46.0 | 32,868 | 10.8 |
| Terral Seed | REV27F95PWE | 117 | 10.7 | 30.6 | 46.1 | 33,462 | 9.8 |
| DEKALB | DKC66-18 VT2P | 116 | 10.7 | 30.5 | 48.3 | 33,858 | . |
| Terral Seed | REV28BHR18 | 118 | 10.5 | 30.1 | 44.7 | 32,274 | . |
| Terral Seed | REV24BHR99 | 114 | 10.3 | 29.4 | 53.5 | 32,868 | . |
| Terral Seed | REV25BHR26 | 115 | 10.2 | 29.3 | 45.2 | 32,868 | . |
| DEKALB | DKC65-99 TRECEPTA | 115 | 10.1 | 28.9 | 49.6 | 33,858 | . |
| Pioneer | P1662YHR | 116 | 9.7 | 27.6 | 47.5 | 33,462 | 10.0 |
| Pioneer | P1847VYHR | 118 | 9.6 | 27.4 | 46.0 | 33,264 | 10.4 |
| Average | | | 10.6 ² | 30.3 | 46.9 | 33,000 | 10.6 |
| LSD at 10% Level | | | NS | NS | NS | NS | 1.1 |
| Std. Err. of Entry Mean | | | 0.5 | 1.4 | 2.2 | 484 | 0.4 |
| Model R-squared | | | 0.39 | 0.39 | 0.43 | 0.38 | 0.37 |

1. Green yields are standardized to 35% dry matter.

2. CV = 9.5%, and df for EMS = 32.

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: April 4, 2019.

Harvested: August 9, 2019, with 2,984 Growing Degree Units accumulated.

Seeding Rate: 34,000 seeds per acre in 30-inch rows.

Soil Type: Etowah loam.

Previous Crop: Soybeans.

Soil Test: P = High, K = High, and pH = 6.3.

Fertilization: 36 lb N, 92 lb P₂O₅, and 120 lb K₂O/acre as preplant; 310 lb N/acre as sidedress.

Management: Conventional tillage. Atrazine, Warant, Callisto, and Accent applied for weed control. Irrigated 7.5 inches.

Test conducted by H. Jordan, G. Ware, B. Weldy, M. Tucker, and T. Turnquist.

Blairsville, Georgia:
Evaluation of Corn Hybrids for Silage, 2019, Dryland

| Company or Brand Name | Hybrid Name | Relative Maturity days | Forage Yield | | Dry Matter % | Plant Pop. no. | Dry Yield 2-Yr Avg tons/acre |
|--------------------------|-------------------|------------------------------|-------------------|---------------------------------|--------------------|----------------------|------------------------------------|
| | | | Dry tons/acre | Green ¹ tons/acre | | | |
| Pioneer | P1903YHR | 119 | 14.2 | 40.6 | 33.6 | 33,264 | . |
| Terral Seed | REV27F95PWE | 117 | 14.2 | 40.5 | 33.2 | 32,670 | 14.0 |
| DEKALB | DKC70-64 SS | 120 | 14.0 | 40.0 | 32.7 | 34,254 | . |
| Pioneer | P1847VYHR | 118 | 12.9 | 36.7 | 32.2 | 33,858 | 12.5 |
| Terral Seed | REV26F87SX | 116 | 12.8 | 36.6 | 30.5 | 34,056 | . |
| DEKALB | DKC69-16 SS | 119 | 12.7 | 36.2 | 31.4 | 33,462 | 12.4 |
| Terral Seed | REV28BHR18 | 118 | 12.3 | 35.2 | 31.1 | 32,274 | . |
| Terral Seed | REV24BHR99 | 114 | 12.3 | 35.1 | 32.5 | 33,462 | . |
| Terral Seed | REV25BHR26 | 115 | 11.9 | 33.9 | 31.2 | 34,056 | . |
| DEKALB | DKC68-69 VT2P | 118 | 11.9 | 33.9 | 33.7 | 33,264 | 11.5 |
| Pioneer | P1662YHR | 116 | 11.2 | 31.9 | 31.3 | 32,868 | 11.3 |
| DEKALB | DKC65-99 TRECEPTA | 115 | 10.3 | 29.4 | 34.6 | 34,254 | . |
| DEKALB | DKC66-18 VT2P | 116 | 9.8 | 28.0 | 32.4 | 34,056 | . |
| Average | | | 12.3 ² | 35.2 | 32.3 | 33,523 | 12.3 |
| LSD at 10% Level | | | 1.6 | 4.5 | NS | NS | 1.2 |
| Std. Err. of Entry Mean | | | 0.7 | 1.9 | 0.8 | 594 | 0.5 |
| Model R-squared | | | 0.62 | 0.62 | 0.29 | 0.30 | 0.36 |

1. Green yields are standardized to 35% dry matter.

2. CV = 10.8%, and df for EMS = 36.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: April 25, 2019.

Harvested: August 28, 2019, with 2,599 Growing Degree Units accumulated.

Seeding Rate: 34,000 seeds per acre in 30-inch rows.

Soil Type: Suches loam.

Previous Crop: Soybeans.

Soil Test: P = Very High, K = High, and pH = 5.9.

Fertilization: 130 lb N, 60 lb P₂O₅, and 249 lb K₂O/acre as preplant; 240 lb N/acre as sidedress; 2500 lb dolomitic lime/acre.

Management: Conventional tillage. Atrazine, Zidua, Roundup, and Steadfast Q applied for weed control.

Test conducted by H. Jordan, G. Ware, B. Weldy, C. Graham, L. Lee, D. Patterson, and D. Rogers.