

Silage Test Results

Summary of Evaluations of Corn Hybrids for Silage Blairsville, Athens, and Tifton, Georgia, 2017

Company or Brand Name	Hybrid Name	Dry Matter Yield				Grain Portion ¹ %	Quality Factors ¹	
		Statewide Average	Blairsville	Athens	Tifton		DM lbs/ton	Milk Production ² lbs/acre
		----- tons/acre -----						
Mid-Season								
AgraTech	1778	.	.	.	13.3	47	2604	34638
AgraTech	1023VIP	.	.	.	12.6	42	2807	35652
AgraTech	908VIP	.	.	.	12.0	53	2803	33639
AgraTech	999 VIP	.	.	.	11.4	38	2784	31739
AgriGold	A6659VT2PRO	.	.	.	11.5	52	2837	32630
AgriGold	A6711VT2PRO	.	.	.	11.9	55	2940	34982
Augusta Seed	7767-3110GT	.	.	.	12.8	49	2718	35064
Augusta Seed	7769GT	.	.	.	11.4	47	2639	30081
Augusta Seed	A7668GT3110	.	.	.	11.7	50	2772	32436
Croplan Genetics	5678 VT2P	.	.	.	10.1	58	2861	28898
Croplan Genetics	7927 VT3P	.	.	.	13.0	50	2806	36473
Croplan Genetics	S5900 VT2P	.	.	.	12.4	46	2789	34587
DeKalb	DKC66-75 VT2P	11.0	11.3	9.6	12.0	57	2788	33454
DeKalb	DKC70-03 VT3P	10.9	11.9	9.4	11.5	49	2806	32273
DeKalb	DKC70-27 VT2P	12.4	14.8	9.6	12.9	52	2802	36146
Dyna-Gro	D58QC72	.	.	.	13.6	59	2852	38791
Dyna-Gro	D58SS65	10.0	9.8	9.2	10.4	54	2923	30398
Master's Choice	618R	.	.	.	11.6	58	2766	32364
Master's Choice	MCT6653	.	.	.	13.2	54	2746	36523
Master's Choice	MCT6733	.	.	.	10.3	56	2835	29199
Mycogen	F2F 817	8.9	8.9	8.8	9.1	49	2864	26063
Mycogen	TMF17L86	.	.	8.3	12.1	47	2794	33809
Mycogen	TMF17W91	.	.	10.1	11.6	50	2575	29867
Pioneer	P1662YHR	10.5	11.0	8.4	12.0	55	2855	34265
Pioneer	P1870YHR	10.4	10.5	9.3	11.5	56	2803	32229
Syngenta	N78S-3111	.	.	.	11.2	55	2828	31675
Syngenta	N83D-3111	.	.	.	11.6	52	2841	32960
Syngenta NK	N74G-3000GT	.	.	.	12.9	48	2750	35471
T. A. Seeds	TA780-13VPRIB	10.7	11.7	8.5	11.9	52	2595	30877
T. A. Seeds	TA784-13VPRIB	.	12.4	.	12.0	50	2707	32489
T. A. Seeds	TA787-18	10.3	10.6	8.9	11.3	50	2834	32305
T. A. Seeds	X20390	.	.	.	10.8	55	2812	30651
Terral Seed	REV@26BHR50™ Brand	.	.	10.6	13.6	56	2760	37533
Terral Seed	REV@28BHR18™ Brand	10.7	11.7	8.9	11.7	55	2843	33263
<i>Average</i>		<i>10.6</i>	<i>11.3</i>	<i>9.2</i>	<i>11.9</i>	<i>52</i>	<i>2786</i>	<i>33042</i>

**Summary of Evaluations of Corn Hybrids for Silage
Blairsville, Athens, and Tifton, Georgia, 2017
(Continued)**

Company or Brand Name	Hybrid Name	Dry Matter Yield				Grain Portion ¹ %	Quality Factors ¹	
		Statewide Average	Blairsville	Athens	Tifton		Milk Production ² DM lbs/ton	lbs/acre
		----- tons/acre -----						
Short -Season								
AgriGold	A6499STX	.	.	.	10.7	58	3015	32256
AgriGold	A6572STX	.	.	.	11.2	58	2942	33240
Augusta Seed	1165VT2PRO	.	.	.	12.3	49	2889	35539
Augusta Seed	A9074GT3110	.	.	.	12.9	45	2691	34710
DeKalb	DKC 65-94 STX	9.8	9.4	8.8	11.2	59	2912	32615
Dyna-Gro	D55GT73	.	.	.	13.0	55	2859	37456
Dyna-Gro	D55VC45	.	.	.	12.2	53	2886	35213
Mycogen	TMF12Q57	.	10.1	.	.	47	.	.
Mycogen	TMF14L46	.	13.3	.	.	43	.	.
Pioneer	P1442YHR	10.2	10.4	8.8	11.4	54	2792	31827
Terral Seed	REV@23BHR55™ Brand	10.9	11.7	9.3	11.8	58	2777	32773
Terral Seed	REV@25BHR26™ Brand	11.2	11.9	9.1	12.5	55	2707	33837
<i>Average</i>		<i>10.5</i>	<i>11.1</i>	<i>9.0</i>	<i>11.9</i>	<i>53</i>	<i>2847</i>	<i>33947</i>
<i>Overall Test Statistics:</i>								
Average		10.6 ³	11.3	9.1	12.2	52	2800	33247
LSD at 10% Level		0.8	2.1	1.1	0.9	4	NS ⁴	2206
Std. Err. of Entry Mean		0.4	0.9	0.5	0.4	1	56	656

1. Data from the replicated silage trial at Tifton.
2. Calculated using University of Wisconsin Corn Silage Evaluation System - Milk 2006 and reported as lbs milk/ton of dry matter (DM) and lbs milk/acre. Reported values are lower than previous years due to differences between the 2000 and 2006 model predictions, but for hybrid comparisons the 2006 model should be more accurate.
3. CV = 13.0%, and df for EMS = 153.
4. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

Bolding indicates entries performing equally to highest performing entry within a column based on Fisher's protected LSD (P = 0.10).

Summary of Quality Factors of Corn Hybrids for Silage Tifton, Georgia, 2017

Company or Brand Name	Hybrid Name	Quality Factors ¹									Dry Matter Yield	
		Milk Production ²		Protein ³ %	NDF ⁴ %	ADF ⁵ %	Starch ⁶ %	TDN ⁷ %	NDFD-48 ⁸ %	Ash ⁹ %	Grain	Tifton
		DM lbs/ton	lbs/acre								Portion %	tons/acre
Mid-Season												
Dyna-Gro	D58QC72	2852	38791	7.6	41.5	27.7	35.5	65.9	54	4.8	59	13.6
Terral Seed	REV@26BHR50™ Brand	2760	37533	8.0	45.9	29.9	28.9	64.9	55	5.5	56	13.6
Master's Choice	MCT6653	2746	36523	7.2	41.6	27.6	37.2	64.4	53	4.5	54	13.2
Croplan Genetics	7927 VT3P	2806	36473	7.4	34.1	24.1	45.4	65.0	51	4.3	50	13.0
DeKalb	DKC70-27 VT2P	2802	36146	7.8	38.1	27.0	40.1	65.0	52	4.5	52	12.9
AgraTech	1023VIP	2807	35652	8.0	47.5	31.3	27.1	65.5	55	5.2	42	12.6
Syngenta NK	N74G-3000GT	2750	35471	8.0	44.9	29.1	31.1	64.6	54	5.2	48	12.9
Augusta Seed	7767-3110GT	2718	35064	8.2	43.2	29.2	32.7	64.1	54	5.3	49	12.8
AgriGold	A6711VT2PRO	2940	34982	7.6	36.4	25.6	43.4	66.9	54	3.9	55	11.9
AgraTech	1778	2604	34638	7.9	47.7	32.1	25.5	62.7	53	6.1	47	13.3
Croplan Genetics	S5900 VT2P	2789	34587	7.5	43.6	29.4	31.3	65.0	53	5.1	46	12.4
Pioneer	P1662YHR	2855	34265	7.6	37.0	25.0	41.9	65.7	52	4.3	55	12.0
Mycogen	TMF17L86	2794	33809	7.1	42.5	28.5	35.5	65.1	54	4.5	47	12.1
AgraTech	908VIP	2803	33639	7.3	37.6	25.2	45.2	65.2	54	4.1	53	12.0
DeKalb	DKC66-75 VT2P	2788	33454	7.6	33.7	23.0	49.1	64.9	52	4.2	57	12.0
Terral Seed	REV@28BHR18™ Brand	2843	33263	7.7	35.3	23.5	46.6	65.6	53	3.9	55	11.7
Syngenta	N83D-3111	2841	32960	7.7	37.0	24.1	41.5	65.7	54	4.7	52	11.6
AgriGold	A6659VT2PRO	2837	32630	7.4	39.3	26.7	39.4	65.6	53	4.1	52	11.5
T. A. Seeds	TA784-13VPRIB	2707	32489	7.6	39.7	27.5	37.5	63.6	51	4.8	50	12.0
Augusta Seed	A7668GT3110	2772	32436	8.3	43.0	28.3	33.7	65.1	56	5.2	50	11.7
Master's Choice	618R	2766	32364	6.6	43.2	28.4	37.4	64.7	54	4.2	58	11.6
T. A. Seeds	TA787-18	2834	32305	7.4	43.3	27.2	35.1	65.9	56	4.5	50	11.3
DeKalb	DKC70-03 VT3P	2806	32273	7.8	40.9	27.2	35.1	65.2	53	5.1	49	11.5
Pioneer	P1870YHR	2803	32229	8.1	38.6	25.9	39.8	65.2	54	4.9	56	11.5
AgraTech	999 VIP	2784	31739	8.4	43.9	29.3	30.5	65.0	54	5.3	38	11.4
Syngenta	N78S-3111	2828	31675	6.4	42.6	28.4	38.6	65.7	56	4.0	55	11.2
T. A. Seeds	TA780-13VPRIB	2595	30877	7.2	48.4	31.0	29.7	62.8	55	5.3	52	11.9
T. A. Seeds	X20390	2812	30651	7.7	40.6	26.9	37.9	65.3	54	4.5	55	10.8
Dyna-Gro	D58SS65	2923	30398	8.3	35.3	24.3	42.3	66.6	53	4.3	54	10.4
Augusta Seed	7769GT	2639	30081	8.5	40.4	27.4	36.7	62.9	51	5.3	47	11.4
Mycogen	TMF17W91	2575	29867	7.2	47.2	31.9	32.9	62.1	52	4.5	50	11.6
Master's Choice	MCT6733	2835	29199	7.4	39.5	25.7	41.6	65.8	55	4.1	56	10.3
Croplan Genetics	5678 VT2P	2861	28898	7.2	36.9	24.7	43.9	65.8	53	3.9	58	10.1
Mycogen	F2F 817	2864	26063	8.3	39.8	27.0	39.1	66.2	56	4.4	49	9.1
<i>Average</i>		<i>2786</i>	<i>33042</i>	<i>7.6</i>	<i>40.9</i>	<i>27.4</i>	<i>37.3</i>	<i>65.0</i>	<i>54</i>	<i>4.7</i>	<i>52</i>	<i>11.9</i>

Summary of Quality Factors of Corn Hybrids for Silage Tifton, Georgia, 2017 (Continued)

Company or Brand Name	Hybrid Name	Quality Factors ¹									Dry Matter Yield	
		Milk Production ²		Protein ³ %	NDF ⁴ %	ADF ⁵ %	Starch ⁶ %	TDN ⁷ %	NDFD48 ⁸ %	Ash ⁹ %	Grain	Tifton
		DM lbs/ton	lbs/acre								Portion %	tons/acre
Short-Season												
Dyna-Gro	D55GT73	2859	37456	8.5	40.9	27.0	34.6	66.1	55	5.1	55	13.0
Augusta Seed	1165VT2PRO	2889	35539	7.9	35.5	23.5	45.2	66.3	55	4.1	49	12.3
Dyna-Gro	D55VC45	2886	35213	8.1	32.9	22.6	49.5	66.1	53	3.9	53	12.2
Augusta Seed	A9074GT3110	2691	34710	7.3	48.0	32.6	29.2	63.6	53	4.9	45	12.9
Terral Seed	REV@25BHR26™ Brand	2707	33837	8.5	43.3	28.0	32.8	64.1	54	5.6	55	12.5
AgriGold	A6572STX	2942	33240	7.9	38.8	26.6	39.6	67.0	54	4.1	58	11.2
Terral Seed	REV@23BHR55™ Brand	2777	32773	8.3	34.9	23.6	45.1	64.7	52	4.8	58	11.8
DeKalb	DKC 65-94 STX	2912	32615	7.8	37.1	25.1	42.0	66.6	54	4.3	59	11.2
AgriGold	A6499STX	3015	32256	7.6	37.3	25.3	41.9	68.0	55	3.6	58	10.7
Pioneer	P1442YHR	2792	31827	8.2	39.9	25.8	37.3	65.0	53	4.8	54	11.4
<i>Average</i>		<i>2847</i>	<i>33947</i>	<i>8.0</i>	<i>38.9</i>	<i>26.0</i>	<i>39.7</i>	<i>65.8</i>	<i>54</i>	<i>4.5</i>	<i>54</i>	<i>11.9</i>
<i>Overall Test Statistics:</i>												
Average		2800 ¹⁰	33247 ¹¹	7.7	40.4	27.1	37.9	65.2	54	4.6	52	11.9
LSD at 10% Level		NS ¹²	2206	0.9	7.4	4.1	10.5	NS	NS	0.9	4	1.2
Std. Err. of Entry Mean		56	656	0.3	2.2	1.2	3.1	0.8	1	0.3	1	0.5

1. Quality factors taken from the replicated silage trial at Tifton.
 2. Calculated using University of Wisconsin Corn Silage Evaluation System - Milk 2006 and reported as lbs milk/ton of dry matter (DM) and lbs milk/acre. Reported values are lower than previous years due to differences between the 2000 and 2006 model predictions, but for hybrid comparisons, the 2006 model should be more accurate.
 3. Crude protein expressed as a percentage of dry matter.
 4. Neutral detergent fiber: a measure of total fiber components expressed as a percentage of dry matter.
 5. Acid detergent fiber: a measure of cellulose and lignin portions of total fiber as a percentage of dry matter.
 6. Starch expressed as a percentage of dry matter.
 7. Total digestible nutrient: a measure of energy value expressed as a percentage of dry matter.
 8. Digestibility of neutral detergent fiber component after 48-hours expressed as a percentage of NDF.
 9. Inorganic mineral elements present expressed as a percentage of dry matter.
 10. CV = 4.0%, and df for EMS = 43.
 11. CV = 3.9%, and df for EMS = 43.
 12. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.
- Bolding** indicates entries performing equally to highest performing entry within a column based on Fisher's protected LSD (P = 0.10).

Summary of Nutrient Removal Rates of Corn Hybrids for Silage¹ Tifton, Georgia, 2017

Company or Brand Name	Hybrid Name	Dry Yield tons/ac	Nutrients										
			Cl lb/ac	K lb/ac	Ca lb/ac	P lb/ac	Na lb/ac	Mg lb/ac	S lb/ac	Zn lb/ac	Fe lb/ac	Cu lb/ac	Mn lb/ac
Mid-Season													
AgraTech	1778	13.3	114	672	123	86	6.8	64	36	0.641	4.1	0.160	0.85
AgraTech	1023VIP	12.7	117	613	131	77	6.6	59	35	0.616	3.6	0.154	0.87
AgraTech	908VIP	12.0	108	606	112	76	2.0	53	29	0.585	1.8	0.139	0.70
AgraTech	999 VIP	11.4	93	585	122	78	4.4	59	29	0.553	4.4	0.137	0.72
AgriGold	A6499STX	10.7	88	558	104	74	2.0	51	25	0.522	2.7	0.128	0.66
AgriGold	A6659VT2PRO	11.5	99	523	97	71	2.9	47	27	0.557	2.0	0.135	0.69
AgriGold	A6711VT2PRO	11.9	98	579	111	77	2.8	54	29	0.580	2.5	0.141	0.75
Augusta Seed	7767-3110GT	12.9	115	627	116	81	5.8	58	34	0.624	2.3	0.153	0.81
Augusta Seed	7769GT	11.4	99	562	109	74	3.8	52	29	0.551	2.3	0.134	0.66
Augusta Seed	A7668GT3110	11.7	94	589	112	74	4.1	55	29	0.568	2.6	0.139	0.71
Augusta Seed	A9074GT3110	12.9	124	610	128	74	6.3	58	35	0.625	2.8	0.155	0.85
Croplan Genetics	5678 VT2P	10.1	87	460	85	62	1.8	41	24	0.492	2.0	0.119	0.60
Croplan Genetics	7927 VT3P	13.0	89	579	119	88	3.8	58	30	0.631	4.2	0.151	0.73
Croplan Genetics	S5900 VT2P	12.4	104	606	130	79	4.8	60	32	0.600	4.5	0.149	0.76
DeKalb	DKC66-75 VT2P	12.0	94	584	106	83	4.0	53	29	0.581	2.5	0.137	0.68
DeKalb	DKC70-03 VT3P	11.5	100	541	109	75	4.5	54	30	0.560	3.5	0.138	0.74
DeKalb	DKC70-27 VT2P	12.9	96	650	120	89	3.3	61	32	0.625	3.6	0.152	0.78
Dyna-Gro	D58QC72	13.6	125	671	127	88	5.0	59	36	0.664	3.2	0.164	0.88
Dyna-Gro	D58SS65	10.4	78	509	100	73	2.8	48	26	0.507	3.4	0.123	0.66
Master's Choice	618R	11.7	109	525	92	68	3.0	46	28	0.564	2.1	0.136	0.68
Master's Choice	MCT6653	13.3	123	628	113	85	3.8	57	33	0.644	3.4	0.157	0.81
Master's Choice	MCT6733	10.3	88	524	95	70	1.7	50	24	0.500	2.1	0.122	0.60
Mycogen	F2F 817	9.1	86	497	78	71	3.1	47	23	0.442	2.3	0.109	0.59
Mycogen	TMF17L86	12.1	95	558	106	79	3.3	57	29	0.582	3.4	0.144	0.72
Mycogen	TMF17W91	11.6	111	517	82	67	4.6	46	29	0.558	0.8	0.136	0.72
Syngenta	N78S-3111	11.2	98	526	81	71	2.2	46	26	0.541	2.1	0.132	0.66
Syngenta	N83D-3111	11.6	102	585	111	81	2.1	57	28	0.565	3.4	0.138	0.69
T. A. Seeds	TA780-13VPRIB	11.9	111	546	83	69	5.4	49	30	0.573	1.6	0.142	0.73
T. A. Seeds	TA784-13VPRIB	12.0	90	539	107	78	3.2	54	29	0.576	4.0	0.141	0.69
T. A. Seeds	TA787-18	11.4	109	558	104	74	2.9	54	28	0.555	3.2	0.137	0.71

Summary of Nutrient Removal Rates of Corn Hybrids for Silage¹ Tifton, Georgia, 2017 (Continued)

Company or Brand Name	Hybrid Name	Dry Yield tons/ac	Nutrients										
			Cl lb/ac	K lb/ac	Ca lb/ac	P lb/ac	Na lb/ac	Mg lb/ac	S lb/ac	Zn lb/ac	Fe lb/ac	Cu lb/ac	Mn lb/ac
Mid-Season (continued)													
T. A. Seeds	X20390	10.9	92	515	95	70	3.6	49	27	0.528	2.0	0.129	0.68
Terral Seed	REV@26BHR50™ Brand	13.6	119	671	110	87	7.0	60	36	0.655	3.6	0.164	0.88
Terral Seed	REV@28BHR18™ Brand	11.7	86	529	102	76	2.8	50	26	0.569	2.8	0.136	0.67
Average		11.8	101	571	107	76	3.8	54	29	0.574	2.9	0.140	0.72
Short-Season													
AgriGold	A6572STX	11.3	99	582	106	75	4.0	52	29	0.550	1.7	0.135	0.74
Augusta Seed	1165VT2PRO	12.3	90	602	120	84	1.6	58	28	0.597	3.2	0.145	0.70
DeKalb	DKC 65-94 STX	11.2	96	557	105	74	3.4	52	29	0.543	2.2	0.132	0.70
Dyna-Gro	D55GT73	13.1	110	648	131	84	5.3	61	34	0.639	2.9	0.158	0.83
Dyna-Gro	D55VC45	12.2	95	644	124	88	1.3	59	28	0.592	2.4	0.140	0.68
Pioneer	P1442YHR	11.4	101	545	97	73	3.9	46	29	0.551	2.9	0.136	0.70
Pioneer	P1662YHR	12.0	107	611	115	83	2.4	56	29	0.584	3.6	0.142	0.71
Pioneer	P1870YHR	11.5	104	566	103	77	3.9	51	30	0.563	2.7	0.137	0.74
Syngenta NK	N74G-3000GT	12.9	109	596	112	79	5.2	56	33	0.621	3.4	0.155	0.79
Terral Seed	REV@23BHR55™ Brand	11.8	104	582	114	82	2.5	55	29	0.574	3.2	0.139	0.70
Terral Seed	REV@25BHR26™ Brand	12.5	128	612	119	79	6.1	55	34	0.609	3.1	0.151	0.82
Average		12.0	104	595	113	80	3.6	55	30	0.584	2.8	0.143	0.74
<i>Overall test statistics:</i>													
Average		11.9 ²	102	577	108	77	3.8	54	30	0.576	2.9	0.141	0.73
LSD at 10% Level		1.2	19	81	22	9	2.6	7	3	0.007	1.1	0.007	0.08
Std. Err. of Entry Mean		0.5	8	34	9	4	1.1	3	1	0.003	0.5	0.003	0.03

1. Nutrient removal rates taken from 2 reps of silage trial at Tifton. Test conducted under very high fertility conditions, leading to excess uptake of some nutrients. Differences in uptake between varieties may differ in lower fertility environments.

2. CV = 8.6%, and df for EMS = 129

Bolding indicates entries performing equally to highest performing entry within a column based on Fisher's protected LSD (P = 0.10).

Tifton, Georgia: Evaluation of Corn Hybrids for Silage, 2017, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter %	Grain Portion %	Plant Population no.	2-Yr Avg Dry Forage Yield tons/acre
		Dry tons/acre	Green				
Mid-Season							
Terral Seed	REV@26HR50™ Brand	13.6	30.3	44.9	56	33977	.
Dyna-Gro	D58QC72	13.6	33.1	41.2	59	32235	12.4
AgraTech	1778	13.3	33.0	40.4	47	34195	.
Masters Choice	MCT6653	13.3	30.9	42.9	54	35066	.
Croplan Genetics	7927 VT3P	13.0	30.1	43.3	50	34630	12.3
DeKalb	DKC70-27 VT2P	12.9	28.7	44.9	52	35284	.
Augusta Seed	7767-3110GT	12.9	32.8	39.2	49	33541	.
Augusta Seed	A9074GT3110	12.9	33.3	38.7	45	32888	13.0
AgraTech	1023VIP	12.7	33.8	37.6	42	31363	13.7
Croplan Genetics	S5900 VT2P	12.4	30.3	41.0	46	32670	12.8
Mycogen	TMF17L86	12.1	28.6	42.5	47	33106	11.9
DeKalb	DKC66-75 VT2P	12.0	25.6	46.8	57	34630	.
AgraTech	908VIP	12.0	28.0	42.8	53	33541	10.6
T. A. Seeds	TA784-13VPRIB	12.0	28.3	42.4	50	32670	11.9
T. A. Seeds	TA780-13VPRIB	11.9	26.8	44.5	52	32888	.
AgriGold	A6711VT2PRO	11.9	26.0	45.7	55	33977	.
Terral Seed	REV@28BHR18™ Bran	11.7	26.2	44.5	55	29185	.
Augusta Seed	A7668GT3110	11.7	28.3	41.5	50	33323	12.0
Masters Choice	618R	11.7	27.1	43.0	58	33759	.
Mycogen	TMF17W91	11.6	25.9	44.9	50	34413	.
Syngenta	N83D-3111	11.6	28.9	40.2	52	34195	.
DeKalb	DKC70-03 VT3P	11.5	29.1	39.4	49	31799	.
AgriGold	A6659VT2PRO	11.5	27.9	41.1	52	34848	.
AgraTech	999 VIP	11.4	30.0	37.9	38	32888	10.7
Augusta Seed	7769GT	11.4	27.7	41.1	47	33541	.
T. A. Seeds	TA787-18	11.4	26.7	42.5	50	35066	.
Syngenta	N78S-3111	11.2	27.5	40.7	55	32670	.
T. A. Seeds	X20390	10.9	24.9	43.6	55	32235	.
AgriGold	A6499STX	10.7	24.2	44.1	58	33759	.
Dyna-Gro	D58SS65	10.4	24.2	43.2	54	33541	.
Masters Choice	MCT6733	10.3	23.0	45.0	56	30710	.
Croplan Genetics	5678 VT2P	10.1	24.3	41.7	58	32888	.
Mycogen	F2F 817	9.1	23.8	38.2	49	33106	.
<i>Average</i>		<i>11.8</i>	<i>28.2</i>	<i>42.2</i>	<i>52</i>	<i>33291</i>	<i>12.0</i>

Tifton, Georgia:
Evaluation of Corn Hybrids for Silage, 2017, Irrigated
(Continued)

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		Dry	Green				
		tons/acre		%	%	no.	tons/acre
Short-Season							
Dyna-Gro	D55GT73	13.1	31.8	41.1	55	32452	13.3
Syngenta NK	N74G-3000GT	12.9	30.8	41.9	48	32452	.
Terral Seed	REV@25BHR26™ Bran	12.5	30.0	42.0	55	32670	12.3
Augusta Seed	1165VT2PRO	12.3	30.7	40.2	49	35283	.
Dyna-Gro	D55VC45	12.2	27.1	44.9	53	34630	.
Pioneer	P1662YHR	12.0	29.7	40.6	55	33977	.
Terral Seed	REV@23BHR55™ Bran	11.8	29.6	39.9	58	33324	11.7
Pioneer	P1870YHR	11.5	26.3	43.8	56	33977	.
Pioneer	P1442YHR	11.4	24.2	47.1	54	30928	.
AgriGold	A6572STX	11.3	24.4	46.1	58	33977	.
DeKalb	DKC 65-94 STX	11.2	25.3	44.1	59	33541	.
<i>Average</i>		12.0	28.2	42.9	55	33383	12.4
<i>Overall test statistics:</i>							
Average		11.9 ¹	28.1	42.3	52	33314	12.2
LSD at 10% Level		1.2	2.8	1.7	4	NS ²	0.9
Std. Err. of Entry Mean		0.5	1.2	0.7	1	1118	0.4

1. CV = 8.6%, and df for EMS = 129.

2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: March 29, 2017.

Harvested: July 21, 2017.

Seeding Rate: 35,500 seeds per acre in 30-inch rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: 125 lb N, 185 lb P₂O₅, and 310 lb K₂O/acre as preplant; 10 lb N and 34 lb P₂O₅/acre at planting; 260 lb N/acre as sidedress.

Previous Crop: Peanuts.

Management: Disked, subsoiled/bedded, and rototilled; Atrazine, Zidua, and Warrant used for weed control; Telone II used for nematode control; irrigated 17.5 inches.

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

Athens, Georgia: Evaluation of Corn Hybrids for Silage, 2017, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter %	Grain Portion %	Plant Population no.	2-Yr Avg Dry Forage Yield ¹ tons/acre
		Dry tons/acre	Green tons/acre				
Mid-Season							
Terral Seed	REV@26BHR50™ Brand	10.6	30.4	35.0	52	31878	.
Mycogen	TMF17W91	10.1	28.2	35.8	47	31482	.
DeKalb	DKC66-75 VT2P	9.6	26.7	36.1	51	33264	.
DeKalb	DKC70-27 VT2P	9.6	28.5	33.6	54	33264	.
DeKalb	DKC70-03 VT3P	9.4	27.2	34.7	49	29700	.
Pioneer	P1870YHR	9.3	27.4	33.8	56	31878	.
Dyna-Gro	D58SS65	9.2	26.9	34.1	55	32472	.
Terral Seed	REV@28BHR18™ Brand	8.9	26.1	33.7	46	25938	.
T. A. Seeds	TA787-18	8.9	26.7	33.3	55	31680	.
Mycogen	F2F 817	8.8	31.5	28.3	42	31482	.
Pioneer	P1662YHR	8.4	24.4	34.6	54	32472	.
Mycogen	TMF17L86	8.3	26.0	32.1	42	31284	9.7
<i>Average</i>		9.3	27.5	33.8	50	31400	9.7
Short-Season							
Terral Seed	REV@23BHR55™ Brand	9.3	32.0	29.2	55	33264	9.4
Terral Seed	REV@25BHR26™ Brand	9.2	29.6	31.0	56	33066	10.6
DeKalb	DKC 65-94 STX	8.8	25.4	34.8	63	32868	.
Pioneer	P1442YHR	8.8	25.9	34.1	54	32472	.
T. A. Seeds	TA780-13VPRIB	8.5	24.2	34.7	54	30492	.
<i>Average</i>		8.9	27.4	32.8	56	32432	10.0
<i>Overall test statistics:</i>							
Average		9.1 ²	27.5	33.5	52	31703	10
LSD at 10% Level		1.1	3.3	3.1	5	1710	NS ³
Std. Err. of Entry Mean		0.5	1.4	1.3	2	721	0.4

1. 2-year data comprised of Athens 2017 and Griffin 2016 trials.

2. CV = 10.1%, and df for EMS = 48.

3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 13, 2017.

Harvested: August 1, 2017.

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

Soil Type: Masada A/Wickham sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.1.

Fertilization: 38.5 lb N, 182 lb P₂O₅, and 210 lb K₂O/acre as preplant; 278 N/acre as sidedress; 1,500 lb dolomitic lime/acre.

Previous Crop: Cotton.

Management: Disked and rototilled; Atrazine and Zidua used for weed control; irrigated 3.0 inches.

Test conducted by H. Jordan, G. Ware, J. Cartey, J. Griffin, and K. Roach.

Calhoun, Georgia: Evaluation of Corn Hybrids for Silage, 2017, Irrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		Dry	Green				

A corn silage trial was planted at this location on May 3, 2017. However, stand problems at harvest increased variability in and among plots. After careful analysis and review of the data, it is the opinion of the editors that the results of this trial may not accurately reflect the genetic performance potential of all the test entries. Since this data is not useful for making decisions and could be misleading if used in making variety selections, it will not be presented in the publication.

Blairsville, Georgia: Evaluation of Corn Hybrids for Silage, 2017, Nonirrigated

Company or Brand Name	Hybrid Name	Forage Yield		Dry Matter	Grain Portion	Plant Population	2-Yr Avg Dry Forage Yield
		Dry	Green				
		tons/acre		%	%	no.	tons/acre
Mid-Season							
DeKalb	DKC70-27 VT2P	14.8	35.6	41.6	49	33961	.
T. A. Seeds	TA784-13VPRIB	12.4	33.0	37.7	45	30492	12.4
DeKalb	DKC70-03 VT3P	11.9	33.3	35.8	49	31680	.
Terral Seed	REV@28BHR18™ Brand	11.7	32.8	35.5	50	27918	.
DeKalb	DKC66-75 VT2P	11.3	33.0	34.0	48	33066	.
Pioneer	P1662YHR	11.0	33.4	32.9	50	33660	.
T. A. Seeds	TA787-18	10.6	33.3	31.7	49	33066	.
Pioneer	P1870YHR	10.5	33.1	31.9	51	32868	.
Dyna-Gro	D58SS65	9.7	27.3	35.6	49	33462	.
Mycogen	F2F 817	8.9	26.8	32.9	46	31680	.
<i>Average</i>		11.3	32.2	35.0	49	32185	12.4
Short-Season							
Mycogen	TMF14L46	13.3	36.8	36.0	43	33858	12.6
Terral Seed	REV@25BHR26™ Brand	11.9	36.1	33.0	53	33264	11.8
Terral Seed	REV@23BHR55™ Brand	11.7	37.4	31.3	48	33066	11.5
T. A. Seeds	TA780-13VPRIB	11.7	29.8	39.2	51	31680	.
Pioneer	P1442YHR	10.4	27.1	38.9	51	31086	.
Mycogen	TMF12Q57	10.2	28.4	36.0	47	32670	.
DeKalb	DKC 65-94 STX	9.4	26.1	35.9	53	32670	.
<i>Average</i>		11.2	31.7	35.8	49	32613	12.0
<i>Overall test statistics:</i>							
Average		11.3 ¹	31.9	35.3	49	32362	12.1
LSD at 10% Level		2.1	3.2	5.0	3	2161	NS ²
Std. Err. of Entry Mean		0.9	1.3	2.1	1	911	0.6

1. CV = 15.6%, and df for EMS = 48.

2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 29, 2017.

Harvested: September 7, 2017.

Seeding Rate: 34,900 seeds per acre in 30-inch rows.

Soil Type: Suches loam.

Soil Test: P = High, K = Very High, and pH = 6.0.

Fertilization: 154 lb N, 183 lb P₂O₅, and 10 lb K₂O/acre as preplant; 227 lb N/acre as sidedress.

Previous Crop: Soybeans.

Management: Moldboard plowed and disked; AccentQ and Callisto used for weed control.

Test conducted by H. Jordan and G. Ware.