

1996 Kentucky Hybrid Corn Performance Test

William L. Pearce, C.G. Poneleit and James E. Roberts

The objective of the Kentucky Hybrid Corn Performance Test is to provide unbiased performance estimates of hybrid seed corn sold in Kentucky. Every effort has been made to conduct the test in an unbiased manner according to accepted agronomic practices.

Presentation of Data

Complete 1996 data is presented for the tests at each location. Two- and three-year averages for yield are included in each of the single location tables. Readers are encouraged to consider these multiple year averages and the averages over locations (Tables 4, 5, and 6) since these are better estimates of a hybrid's yield ability than data gathered at one location in one year.

Comparisons between yields or other characters of any two or more hybrids should be made only with data from one table at a time. The testing procedures do not provide a suitable comparison between a hybrid grown at one location with another grown at a different location. Yellow endosperm hybrids are grouped into early-, mid-, and late-maturity groups based on harvest moisture. Also, those hybrids that yield equally as high as the highest yielding hybrid, based on statistical evaluation, are indicated by an asterisk. See the MATURITY COMPARISONS and the EXPERIMENTAL DESIGN AND MEANS COMPARISONS text sections for more detail.

Testing Procedure

Selection of Hybrids

The hybrids chosen for testing are those most likely to be available for sale in 1997. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company.

Those hybrids grown in the corn virus test are indicated with a B in column 2 of Table 2. The hybrid corn companies were asked to nominate those hybrids known to have virus resistance for inclusion in the virus test.

Location of Tests

The map below shows the test locations. The non-virus test sites were selected to represent different agroclimatic areas of the state where corn is a major commodity. The virus evaluation site was located near Frankfort.

Cultural Practices

The Bardstown and Murray test locations were planted no-till in soybean residue using recommended no-tillage practices. The Elkton and Quicksand tests were planted minimum-till in corn stalk residue. The other test locations were planted in a seedbed prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests.

All test areas were treated with herbicide(s) and supplemented by post-emergence cultivation and/or herbicide when necessary. Except for the virus test, Force was applied in the row at planting to control corn rootworms. The virus test received no insecticide. Table 3 shows the specific cultural treatment for each location.

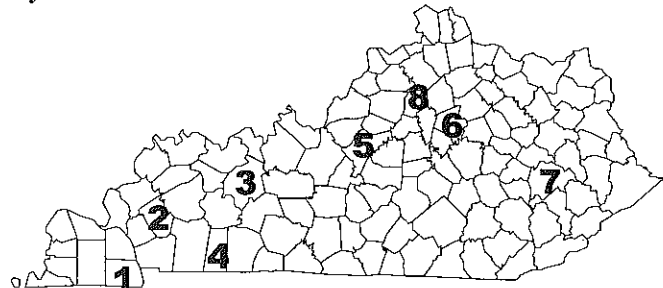
Experimental Design and Mean Comparisons

Each hybrid was grown in three separate plots at each location to sample uncontrollable variability of soil types, fertility, and other factors. Annual mean yields presented in the tables are averages of three replications at the test site, while 2-year and 3-year means are averages of six and nine replications, respectively. An 11 x 12 lattice design was used at each non-virus location. A randomized complete block (RCB) design was used at the virus location.

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Locations of the 1996 Hybrid Corn Performance Test



The yellow endosperm hybrids were separated into three maturity groups using the 1996 harvest moisture summary over all non-virus locations in Table 4. The early maturity hybrid group in Table 4, and all subsequent tables, are those hybrids that had a 1996 average harvest moisture equal to or less than 18.5%, the moisture of the early check FR1064 x FR450. Hybrids in the early group were rated from 110 to 115 days maturity by the parent seed companies.

The lower limit of the late maturity hybrid group, 21.6%, was calculated as the moisture content of B73 X Pa91. All hybrids that were equal to or greater than this value were placed in this late maturity group. Hybrids in this group were rated from 114 to 125 days maturity by the parent seed companies.

The medium maturity group of yellow hybrids includes all hybrids with a 1996 average harvest moisture greater than 18.5% (early check average) but lower than 21.6% (late check average). Hybrids in the medium maturity group were rated from 113 to 119 days maturity by the parent seed companies.

These groupings are subjective but provide a relative evaluation of hybrid maturity. The harvest moisture or relative maturity rating of a hybrid provided by the parent company was not used to block hybrids in the field experiment. In Table 2, days to maturity (provided by the parent seed company) is listed for each hybrid.

Notes about the Growing Season

Murray (Calloway County)

The Murray test was planted on April 17. Plant populations and early weed control were good. The previous crop was no-till soybeans. Stand counts were taken on June 22.

Princeton (Kentucky Agricultural Experiment Station, Research and Education Center)

The Princeton test was planted on May 20 in soybean residue. Stand counts were made on June 21. Weed control was good. There appeared to be no disease problems. There was European Corn borer damage in the test. There was some water damage, in the first and second replications, due to standing water. Data for the first replication was dropped due to water damage which resulted in poor stands.

Elkton (Todd County)

The Elkton test was planted on April 18. Stand counts made on June 21 indicated that good stands had been established. There was gray leaf spot infection at mid season on the test. The first replication was dropped due to a planter malfunction.

Reynolds Station (Ohio County)

The Ohio County test was planted on May 17. Stand counts were made on June 20. There was no apparent weed or insect problems in the test.

Bardstown (Nelson County)

The Bardstown test was planted no-till in soybean crop residue on April 25. Stand counts were taken June 23. Weed control was poor with a heavy infestation of johnsongrass for the entire season. The alleys were sprayed with roundup and johnsongrass was spot-sprayed with accent. There was no apparent disease problems. There was damage to the first replication by the spray buggy, and as a result, was dropped from the test.

Lexington (Kentucky Agricultural Experiment Station, Spindletop Research Farm)

The Lexington test was planted on May 13. Seedling emergence and weed control were good. Late season grasses in alleyways were sprayed with Roundup. There were no disease problems. There was severe hail damage to the test in September. Also, the test suffered from European Corn borer damage which caused the severe lodging.

Quicksand (Kentucky Agricultural Experiment Station, Robinson Substation)

The Quicksand test was planted on May 10. Early season weed control and seedling emergence were excellent for most plots. Stand counts were done on June 19. The alleyways were sprayed to control johnsongrass and other missed weeds and grasses.

Frankfort (Franklin County)

The Frankfort virus evaluation test was planted on May 31. Alleyways were sprayed with Roundup to control late season grasses. There were no insect or disease problems. There were some severe lodging problems. Virus ratings were not taken due to the fact that there were no virus symptoms present. There was damage to the plots by cultivation which resulted in a poor stand.

Note

All Western Kentucky locations were observed for potential problems during the months of June, July, and August. Eastern Kentucky locations were checked on several occasions during the growing season.

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 Jason P'Poole, *Extension Agent, Elkton*
 Greg Comer, *Extension Agent, Hartford*
 Ron Bowman, *Extension Agent, Bardstown*
 Roger Sparrow, *Extension Agent, Frankfort*

Table 1. Precipitation at Test Locations, 1996

Month	Days	Location						
		Murray	Princeton	Elkton	Ohio	Bardstown	Lexington	Quicksand
April	1-8	0.46	0.53	1.25	--	0.96	0.80	0.93
	9-16	0.70	0.68	0.80	--	0.64	0.41*	1.40
	17-24	1.28*	2.20	1.30*	--	2.47	2.43	0.97
	25-30	1.63	2.57	1.00	--	1.46*	1.51	1.29
	Total	4.07	5.98	4.35	0.00	5.53	5.15	4.59
May	1-8	2.03	1.64	4.10	--	2.67	3.62	0.88
	9-16	2.54	1.48	1.80	--	1.27	0.96	0.84*
	17-24	0.00	0.00*	0.00	--*	0.00	0.00	0.24
	25-31	1.90	2.06	1.80	1.12	3.92	3.65	3.69
	Total	6.47	5.18	7.70	1.12	7.86	8.23	5.65
June	1-8	3.78	1.70	2.30	1.60	4.92	1.68	1.77
	9-16	1.58	0.89	1.70	5.89	.99	1.08	2.49
	17-24	1.11	0.57	0.90	0.00	.97	0.69	0.11
	25-30	0.00	0.07	0.20	0.00	0.00	0.00	0.80
	Total	6.47	3.23	5.10	7.49	6.88	3.45	5.17
July	1-8	0.26	0.85	0.20	0.02	1.10	1.01	1.60
	9-16	0.64	1.81	1.40	1.08	2.36	1.24	1.15
	17-24	1.67	2.44	1.90	0.50	1.75	0.17	0.67
	25-31	3.10	1.94	3.46	0.00	1.64	2.38	1.33
	Total	5.67	7.04	6.96	1.60	6.85	4.80	4.75
August	1-8	2.63	0.30	0.25	0.91	0.24	1.22	0.00
	9-16	0.24	0.00	0.90	0.00	0.45	0.53	2.59
	17-24	0.02	0.52	0.00	0.30	0.27	0.16	0.05
	25-31	0.00	0.00	0.00	0.00	0.04	1.22	0.15
	Total	2.89	0.82	1.15	1.21	1.00	3.13	2.79
Sept.	1-8	0.51	0.17	4.00	0.00	0.04	0.82	0.80
	9-16	1.97**	1.75	0.00**	0.00	1.70	1.79	2.71
	17-24	2.24	1.83	0.00	0.00	0.62	0.35	0.00
	25-30	3.40	2.77	0.00	0.00	3.45**	2.15**	1.28
	Total	8.12	6.52	4.00	0.00	5.81	5.11	4.79
Grand Total		33.69	28.77	29.26	11.42+	33.93	29.87	27.74

* Planted.

** Harvested in September, all others harvested in October.

+ Incomplete data.

Table 2. - Hybrids Tested in 1996

	Hybrid	Test*	Color	Cross**	Days to Maturity+	Source
AgraTech	787	A	Yellow	2X	116	AgraTech Seed Research P.O. Box 644 Atlanta, GA 31714
	710	A	Yellow	2X	112	
	770	A	Yellow	2X	114	
	888	B	Yellow	2X	117	
	4720	B	Yellow	2X	124	
	9250	B	Yellow	2X	119	
Agventure	9213	A	Yellow	2X	112-114	Agventure P.O. Box 112 Geneseo, IL 61254
AgriGold	A-6605	A	Yellow	2X	114	Akin Seed Company Route 1 St. Francesville, IL 62460
	A-6725	A	Yellow	2X	116	
	A-6716	A	Yellow	2X	118	
	A-6680W	A	White	2X	118	
	A-6535W	A	White	2X	113	
Asgrow	RX601	A	Yellow	2X	101	Asgrow Seed Company P.O. Box 7570 Des Moines, IA 50322
	RX919	A	Yellow	2X	117	
	RX771	AB	Yellow	2X	109	
	RX790	A	Yellow	2X	111	
	RX897	A	Yellow	2X	115	
	RX943W	A	White	2X	117	
	RX795W	A	White	2X	110	
	RX843	B	Yellow	2X	11	
	RX465W	B	White	2X	117	
Beck's	68	A	Yellow	2X	114	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031
	5405	A	Yellow	2X	108	
	6205	A	Yellow	2X	113	
	8280	A	Yellow	2X	117	
	87MDM	B	Yellow	2X	124	
Bo-Jac	629	AB	Yellow	2X	116	Bo-Jac Hybrid Corn Company R. R. #2 Mount Pulaski, IL 62548
	415	AB	Yellow	2X	109	
	605	AB	Yellow	2X	111	
	614	AB	Yellow	2X	115	
Callahan	C7557	A	Yellow	2X	110	Callahan Seeds 1122 East 169th St. P.O. Box 367 Westfield, IN 46074
	C7761	A	Yellow	2X	111	
	C7466	A	Yellow	2X	114	
	C7762	A	Yellow	2X	113	
Cargill	7770	A	Yellow	2X	113	Cargill Seeds P.O. Box 9480 Minneapolis, MN 55440
	7777	A	Yellow	2X	113	
	8327	A	Yellow	2X	118	
	8328	A	Yellow	2X	118	
	8936	B	Yellow	2X	119	
	9027	A	Yellow	2X	120	
Caverndale Farms	CF830	A	Yellow	2X	112	Caverndale Farms Route 2 Danville, KY 40422
	CF840	A	Yellow	2X	114	
	CF9544	A	Yellow	2X	116	
	CF920W	A	Yellow	2X	118	
	CF9542	B	Yellow	2X	119	
CIBA Seeds	4494	A	Yellow	2X	111	CIBA Seeds Division P.O. Box 18300 Greensboro, NC 27419
	4545	A	Yellow	2X	115	
	5221	A	Yellow	2X	114	
	4575	A	Yellow	2X	114	
	4714	A	Yellow	2X	120	
Colbert	220	A	Yellow	2X	113	Colbert Farms R. R. #2 Washington, IN 47501
	279	A	Yellow	2X	117	
	324	A	Yellow	2X	118	
	326	A	Yellow	2X	119	
Crow's	494	A	Yellow	2X	112	Crow's Hybrid Corn Company Box 306 Milford, IL 60953
	496	A	Yellow	2X	112	
	685	A	Yellow	2X	116	
	668	A	Yellow	2X	116	
	702	AB	Yellow	2X	123	

Table 2. - Hybrids Tested in 1996 (Continued)

	Hybrid	Test*	Color	Cross**	Days to Maturity+	Source
DeKalb	DK626	A	Yellow	2X	112	DEKALB Genetics Corp. 3100 Sycamore Road DeKalb, IL 60115
	DK642	A	Yellow	2X	114	
	DK658	A	Yellow	2X	115	
	DK668	A	Yellow	2X	116	
	DK683	AB	Yellow	2X	118	
	DK687	AB	Yellow	2X	118	
	DK714	A	Yellow	2X	121	
	DK743	AB	Yellow	2X	124	
	DK706	A	Yellow	2X	120	
	DK703W	A	White	2X	120	
Glick Seed	GH727	A	Yellow	2X	115	Glick Seed Service 16801 E-100N Hartsville, IN 47224
	GH705	A	Yellow	2X	113	
	GH667	A	Yellow	2X	112	
Golden Harvest	H2611	A	Yellow	2X	114	Thorp Seed Company R.R. 3, Box 257 Clinton, IL 61727
	H2622	A	Yellow	2X	116	
	H2641	A	Yellow	2X	117	
ICI Seeds	8325	A	Yellow	2X	115	ICI Seeds, Inc. 6495 Vista Dr. West Des Moines, IA 50266
	8220	A	Yellow	2X	120	
	8315	A	Yellow	2X	116	
	N3241	A	Yellow	2X		
L G Seeds	LG2726	A	Yellow	2X	117	LG Seeds, Windfall Service Center PO Box 457 RT 213 S. Windfall, IN 46076
	LG2705	A	Yellow	2X	116	
	LG749W	A	White	2X	114	
Mycogen	2868	A	Yellow	2X	118	Mycogen Plant Sciences 624 27th Street Lubbock, TX 79404
	2807	A	Yellow	2X	115	
	7250	A	Yellow	2X	113	
	8240	A	Yellow	2X	117	
	8460	AB	Yellow	2X	119	
Northrup King	N6423	A	Yellow	2X	109-113	Northrup-King & Company P.O. Box 959 Minneapolis, MN 55440
	N6800	A	Yellow	2X	110-114	
	N6800BT	A	Yellow	2X	110-114	
	N8020	A	Yellow	2X	117-121	
	N7639BT	A	Yellow	2X	113-117	
	N7590	A	Yellow	2X	112-116	
	N8656	B	Yellow	2X	119-123	
	N7931	A	Yellow	2X	114-118	
Pfister Hybrids	3049	A	Yellow	2X	112	Pfister Hybrid Corn Co. P.O. Box 187 El Paso, IL 61738
	3976	A	Yellow	2X	116	
Pioneer Brand	3140	A	Yellow	2X	118	Pioneer Hi-Bred Int'l. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806
	3310	B	Yellow	2X	114	
	3156	B	Yellow	2X	119	
	3163	A	Yellow	2X	119	
	3260	A	Yellow	2X	115	
	3130	B	Yellow	2X	119	
	3245	A	Yellow	2X	115	
	3279	A	Yellow	2X	113	
	3394	A	Yellow	2X	110	
	3310	A	Yellow	2X	114	
	3335	A	Yellow	2X	113	
		3203W	A	White	2X	
Southern Cross	SC412	A	Yellow	2X	114	Miles Seed 2760 Keller Rd. Owensboro, KY 42301
	SC612	A	Yellow	2X	116	
	SC902	A	Yellow	2X	109	
	SC912	B	Yellow	2X	119	
Southern States	SS757W	A	White	2X	115	Southern States Coop., P.O. Box 26234 Richmond, VA 23260
	SS943	AB	Yellow	2X	122	
	SS676	A	Yellow	2X	112	
	SS827	A	Yellow	2X	119	
	SS656	A	Yellow	2X	111	
	SS726	A	Yellow	2X	113	
	SS747	A	Yellow	2X	115	
	SS897	AB	Yellow	2X	120	

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	Hybrid	Test*	Color	Cross**	Days to Maturity+	Source
Sunstar	4312	A	Yellow	2X	111	G&D-Hamrick Dist. 11844 SR-49 Willshire, OH 45898
Terra Seed	TR 1157	A	Yellow	2X	115	Terra International, Inc. 600 Fourth Street Sioux City, IA 51101
	TR 1167	A	Yellow	2X	117	
	TR 1185	AB	Yellow	2X	118	
	TR 1154	A	Yellow	2X	115	
Vineyard	V-448W	A	White	2X	115	Vineyard Seed Co., Inc. P.O. Box 139 Sidney, IL 61877
	V-453W	A	White	2X	117	
	FC-521	A	Yellow	2X	111	
Zimmerman	Z37	A	Yellow	2X	113	Zimmerman Hybrids, Inc. 5147 W. Franklin Rd. Evansville, IN 47712
	Z41	A	Yellow	2X	108	
	Z29	A	Yellow	2X	113	
	Z62W	A	White	2X	112	
	Z72W	A	White	2X	114	
	Z64W	A	White	2X	114	
	Z73W	A	White	2X	112	
K.A.E.S.	FR1064xFR450	A	Yellow	2X	112	Illinois Found. Seeds, Inc. P.O. Box 722 Champaign, IL 61820
	FR27xMo17	A	Yellow	2X	115	
	B73XPa91	A	Yellow	2X	119	

* A = Performance Test, B = Virus Test

** 2X = Single Cross

+ Days to Maturity data provided by seed companies.

Table 3. - Agronomic Information Pertaining to 1996 Test Locations

Location and Cooperator	Soil Type	Fertilizer Lb/Ac	Herbicide	Insecticide	Planting Dates	Harvest Dates
1) Murray, KY Richards Jones Farm	Calloway Silt Loam	N----- 175 P ₂ O ₅ ----- 0 K ₂ O----- 90	Bicep Accent Aatrex	Force 1.5G	April 17	Sept. 11 & 12
2) Princeton, KY Western Kentucky Res. & Ed. Center	Huntington & Lindsie Silt Loam	N----- 188 P ₂ O ₅ ----- 0 K ₂ O----- 133	Beacon Bullet	Force 1.5G	May 20	Oct. 9
3) Reynolds Station, KY Darryl Jackson Farm	Kendall	N----- 200 P ₂ O ₅ ----- 92 K ₂ O----- 120	Atrazine Exceed	Force 1.5G	May 17	Oct. 7 & 8
4) Elkton, KY Allen Franks Farm	Pembroke	N----- 300 P ₂ O ₅ ----- 0 K ₂ O----- 0	Bicep Atrazine Accent	Force 1.5G	April 18	Sept 10
5) Bardstown, Ky Rick Lawson Farm	Pembroke Loam	N----- 250 P ₂ O ₅ ----- 100 K ₂ O----- 250	Extrazine 2,4-D Gramoxone Accent & Banvel	Force 1.5G	April 25	Sept 25 & 26
6) Lexington, KY K.A.E.S. Spindletop Farm	Lanton Silt Loam	N----- 220 P ₂ O ₅ ----- 0 K ₂ O----- 0	Bullett	Force 1.5G	May 13	Sept 30 & Oct 1
7) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N----- 160 P ₂ O ₅ ----- 100 K ₂ O----- 100	Bullett Beacon	Force 1.5G	May 10	Oct. 16 & 17
8) Frankfort, KY Allan Tracey Farm	Huntington Silt Loam	N----- 300 P ₂ O ₅ ----- 200 K ₂ O----- 0	Accent	None	May 31	Oct. 31

Table 4. Annual Summary, 1996, All Non-virus Locations

BRAND/HYBRID	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
EARLY YELLOW HYBRIDS (< OR = 18.5 HARVEST MOISTURE)				
CROW'S 496	188.6*	18.3	96.2	1.6
CIBA SEEDS 5221	177.9	18.3	93.0	1.5
CALLAHAN C7557	175.9	18.2	94.0	1.8
CALLAHAN C7762	175.4	18.2	94.3	1.4
CALLAHAN C7761	173.2	18.4	92.1	1.5
BO-JAC 415	172.9	18.4	92.6	4.0
DEKALB DK626	171.6	18.2	92.0	2.7
COLBERT 220	168.5	18.2	91.6	2.3
GLICK SEED GH667	168.4	18.3	94.5	1.4
PIONEER BRAND 3394	167.4	18.2	93.3	1.3
CIBA SEEDS 4494	165.8	18.4	94.2	2.1
NORTHRUP KING N6423	164.2	18.3	93.6	2.0
ASGROW RX601	154.4	17.7	93.0	2.2
FR1064 X FR450	150.9	18.5	91.8	2.1
EARLY YELLOW AVERAGE	169.7	18.3	93.3	2.0
+MEDIUM YELLOW HYBRIDS (> 18.5 AND < 21.6 HARVEST MOISTURE)				
BECKS 6205	199.6*	18.7	92.9	2.2
ICI SEEDS 8315	197.3*	20.2	93.4	5.4
PIONEER BRAND 3140	193.4*	20.9	93.3	2.1
DEKALB DK706	193.0*	20.7	92.5	3.2
AGRIGOLD A-6725	192.6*	20.2	93.2	3.0
ASGROW RX771	192.1*	19.0	94.6	2.4
CIBA SEEDS 4575	191.4*	20.3	92.6	1.9
CARGILL 8327	189.6*	20.0	93.6	2.7
L.G. SEEDS LG2726	189.2*	20.7	93.4	0.8
MYCOGEN 2868	188.0*	20.5	94.1	1.9
PIONEER BRAND 3260	187.9*	20.8	93.2	3.3
L.G. SEEDS LG2705	187.5*	20.4	93.2	2.1
BECKS 8280	187.4*	20.5	93.5	4.9
CARGILL 7770	186.2*	18.8	93.9	2.2
NORTHRUP KING N7639BT	186.0*	20.7	93.1	2.1
CROW'S 685	185.9*	19.4	94.3	2.4
PIONEER BRAND 3245	185.4*	19.4	94.8	2.7
TERRA SEED TR1167	184.9*	19.8	94.2	1.5
GOLDEN HARVEST H-2622	184.3	20.4	94.6	1.6
NORTHRUP KING N7931	184.1	19.5	91.4	3.4
ICI SEEDS 8325	183.9	19.4	93.8	1.5
PIONEER BRAND 3279	183.9	19.3	94.0	2.0
BECK'S 68	183.3	19.8	94.5	1.5
TERRA SEED TR1154	183.2	19.3	95.0	2.7
CAVERDALE FM. CF840	183.1	19.7	94.7	2.9
BECKS 5405	182.4	19.0	95.6	2.8
NORTHRUP-KING N8020	181.9	20.0	95.5	1.5
SO. STATES SS827	181.5	19.9	91.4	1.6
GOLDEN HARVEST H-2611	181.2	19.0	95.7	5.5
ZIMMERMAN Z29	181.2	19.9	92.4	5.7
DEKALB DK687	181.0	21.1	93.2	2.5
MYCOGEN 2807	181.0	18.7	93.9	3.1
NORTHRUP-KING N7590K	180.7	18.9	93.5	3.1
DEKALB DK683	180.6	21.1	92.8	1.1
ICI SEEDS N3241	180.6	20.8	94.7	1.0
TERRA SEED TR1157	180.5	19.8	93.2	2.5
PFISTER 3976	180.2	21.5	94.7	1.8
DEKALB DK658	180.0	19.2	94.3	3.7
PIONEER BRAND 3163	180.0	20.6	93.0	3.1
SO. STATES SS676	180.0	19.1	95.7	1.5
TERRA SEED TR1185	179.8	20.6	93.6	2.6
CALLAHAN C7466	179.5	20.5	93.6	2.6
BO-JAC 605	178.9	20.2	95.8	4.4
PIONEER BRAND 3335	178.7	18.9	92.4	2.9
CIBA SEEDS 4545	178.5	19.2	93.3	3.7
COLBERT 324	178.5	20.8	95.5	2.6
AGRATECH 787	178.4	19.7	94.9	4.5
CROW'S 668	178.3	19.7	94.7	1.6
PIONEER BRAND 3310	178.2	19.8	92.5	3.0
CARGILL 8328	178.1	19.8	93.5	1.8
BO-JAC 614	177.8	20.0	89.9	1.9
CARGILL 7777	177.7	19.4	92.6	6.4
DEKALB DK642	177.5	19.0	91.0	2.5
ZIMMERMAN Z37	177.1	21.0	93.8	4.8
SO. STATES SS856	177.0	19.7	95.1	1.4
ZIMMERMAN Z41	176.9	18.8	93.9	1.6
ASGROW RX897	176.8	20.0	95.4	3.5
ASGROW RX790	176.3	18.6	93.2	1.3
MYCOGEN 7250	176.0	19.1	94.9	2.4

Table 4. Annual Summary, 1996, (Continued)

BRAND/HYBRID	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
AGRIGOLD A-6605	175.6	18.9	93.2	4.6
CAVERNDALE FM. CF9544	175.6	19.4	91.0	2.5
COLBERT 326	175.3	20.7	94.3	8.0
DEKALB DK668	175.0	20.2	93.2	1.0
SUNSTAR 4312	174.9	19.2	93.9	3.2
CROW'S 494	173.8	18.7	94.3	3.1
GLICK SEED GH727	173.8	19.3	93.0	2.6
MYCOGEN 8240	173.6	19.7	94.9	1.3
SO. STATES SS726	173.6	18.8	94.1	2.2
GOLDEN HARVEST H-2641	173.4	19.4	93.1	1.5
AGVENTURE ST9213	172.5	20.8	92.4	2.5
PFISTER 3049	172.5	19.1	91.1	1.6
GLICK SEED GH705	172.4	19.2	93.5	2.0
SO. STATES SS897	171.5	21.4	94.2	1.9
SO. STATES SS747	171.2	19.4	93.4	3.4
AGRATECH 770	170.8	20.2	93.4	2.7
COLBERT 279	170.7	20.7	94.3	1.2
AGRATECH 710	170.6	19.0	93.5	2.0
NORTHRUP KING N6800	168.2	19.8	93.0	2.3
BO-JAC 629	167.8	19.7	94.5	2.1
ASGROW RX919	167.6	21.0	93.5	5.0
FR27 X MO17	167.1	19.5	94.0	1.8
CAVERNDALE FM. CF830	165.7	19.8	93.7	2.7
AGRIGOLD A-6716	165.6	21.1	93.2	1.3
SOUTHERN CROSS SC412	164.1	20.7	91.4	1.5
SOUTHERN CROSS SC612	163.5	20.5	92.8	1.1
VINEYARD FC521	161.0	19.1	90.1	2.5
SOUTHERN CROSS SC902	157.0	19.1	92.5	1.7
NORTHRUP KING N6800BT	156.6	20.1	92.7	1.5
MEDIUM YELLOW AVERAGE	178.6	19.9	93.5	2.6
LATE YELLOW HYBRIDS (= OR > 21.6 % HARVEST MOISTURE)				
DEKALB DK743	192.3*	21.8	93.8	4.0
DEKALB DK714	186.7*	21.7	92.3	3.4
CROW'S 702	184.5	21.6	92.1	2.8
ICI SEEDS 8220	184.2	22.0	92.8	2.6
SO. STATES SS943	183.8	21.9	92.5	2.5
CARGILL 9027	177.0	21.6	93.4	2.7
GIBA SEEDS 4714	174.0	22.7	95.2	2.4
MYCOGEN 8460	172.7	21.6	93.9	5.0
B73 X PA91	165.2	21.6	94.5	4.4
LATE YELLOW AVERAGE	180.0	21.8	93.4	3.3
ALL YELLOW AVERAGE	177.6	19.8	93.4	2.6
WHITE HYBRIDS				
PIONEER BRAND 3203W	196.5*	20.9	93.8	3.2
ASGROW RX943W	187.0*	21.4	92.8	5.2
ZIMMERMAN Z64W	182.6	21.4	94.0	2.3
ZIMMERMAN Z62W	180.3	20.5	94.5	2.8
AGRIGOLD A-6680W	175.9	20.5	93.9	2.7
CAVERNDALE FM. CF920W	174.6	19.8	92.5	2.6
ZIMMERMAN Z72W	169.3	21.1	95.3	5.4
ZIMMERMAN Z73W	168.3	19.8	94.3	2.1
L.G. SEEDS LG749W	164.9	20.3	95.5	1.8
SO. STATES SS757W	163.1	20.3	94.0	4.4
ASGROW RX795W	162.3	19.9	94.5	5.2
AGRIGOLD A-6535W	160.6	20.4	92.2	3.0
DEKALB DK703W	159.7	20.2	94.3	2.1
VINEYARD V-453W	157.8	20.6	93.3	1.2
VINEYARD V-448W	156.3	20.9	96.1	2.0
WHITE AVERAGE	170.6	20.5	94.2	3.0
GRAND AVERAGE	176.8	19.9	93.5	2.6
LSD (0.10)	15.0	0.9	2.6	2.2

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group, data for six experimental hybrids were deleted because the Companies did not provide names for them.

Table 5. Two-year Summary 1995-1996, All Non-virus Locations

BRAND/HYBRID	YIELD BU/AC 95-96	AVG % MOIST 95-96	AVG % STAND 95-96	TOT % LODGED 95-96
EARLY YELLOW HYBRIDS				
DEKALB DK626	152.7	16.9	92.3	2.5
PIONEER BRAND 3394	148.2	16.6	93.3	1.7
CIBA SEEDS 4494	146.1	16.7	94.3	2.2
FR1064 X FR450	139.0	16.9	93.4	2.3
EARLY YELLOW AVERAGE	146.5	16.8	93.3	2.2
MEDIUM YELLOW HYBRIDS				
ICI SEEDS 8315	169.3*	18.4	94.3	4.4
PIONEER BRAND 3140	165.1*	18.8	93.0	2.0
BECKS 8280	165.0*	18.7	93.4	3.4
PIONEER BRAND 3245	163.3*	17.6	93.9	2.3
DEKALB DK706	163.3*	19.1	93.2	2.8
CROW'S 685	161.5*	17.7	93.9	2.2
AGRATECH 787	161.1*	18.0	94.5	3.1
L.G. SEEDS LG2705	160.8*	18.2	93.1	1.8
CIBA SEEDS 4575	160.3*	18.0	92.4	2.0
MYCOGEN 2868	160.3*	18.5	92.5	1.7
DEKALB DK683	159.4	18.9	92.5	1.7
PFISTER 3976	159.1	19.2	93.6	1.6
CROW'S 668	158.8	18.1	94.5	1.6
MYCOGEN 2807	158.7	17.2	93.6	2.6
ZIMMERMAN Z29	158.7	18.3	92.9	3.4
TERRA SEED TR1154	158.0	17.6	93.2	2.2
DEKALB DK668	157.6	18.2	93.1	1.0
NORTHRUP-KING N8020	157.4	18.2	95.0	1.6
CAVERNDALE FM. CF840	157.1	17.7	93.6	2.4
COLBERT 326	157.0	18.6	94.0	5.0
TERRA SEED TR1167	156.7	18.3	92.4	1.6
PIONEER BRAND 3163	156.6	18.4	93.5	3.6
TERRA SEED TR1185	156.4	18.9	93.4	2.9
BECK'S 68	156.0	18.2	92.6	2.2
CARGILL 7777	155.3	17.7	93.3	4.2
CALLAHAN C7466	155.2	18.5	94.0	2.1
SO. STATES SS656	155.2	17.7	94.0	1.8
ZIMMERMAN Z41	155.2	17.2	93.7	1.8
SO. STATES SS827	154.4	18.4	92.6	2.0
COLBERT 324	154.4	18.7	94.3	2.4
GOLDEN HARVEST H-2622	154.2	18.4	92.6	1.5
GLICK SEED GH705	153.6	17.3	93.2	1.5
PIONEER BRAND 3279	152.7	18.3	92.6	2.2
CIBA SEEDS 4545	152.5	17.6	93.8	3.3
NORTHRUP-KING N7590	152.2	16.9	92.6	2.3
CROW'S 494	151.8	16.8	94.1	3.0
GOLDEN HARVEST H-2611	151.8	17.0	94.9	4.3
MYCOGEN 8240	151.1	18.0	92.7	1.3

Table 5. Two-year Summary (Continued)

BRAND/HYBRID	YIELD	AVG %	AVG %	TOT %
	BU/AC 95-96	MOIST 95-96	STAND 95-96	LODGED 95-96
COLBERT 279	151.1	18.2	93.6	1.6
GOLDEN HARVEST H-2641	150.9	18.3	90.1	1.4
ASGROW RX919	150.4	18.9	93.6	4.2
FR27 X MO17	148.6	17.6	92.7	2.1
BO-JAC 629	148.5	18.2	93.9	1.9
VINEYARD FC521	148.1	17.5	92.0	2.5
AGRIGOLD A-6716	147.3	18.8	92.9	1.2
SO. CROSS SC-612	145.9	18.6	90.0	1.4
SO. CROSS SC-412	142.4	18.6	92.2	1.7
MEDIUM YELLOW AVERAGE	155.5	18.1	93.2	2.3
LATE YELLOW HYBRIDS				
CROW'S 702	166.5*	19.5	93.4	2.3
SO. STATES SS943	164.6*	19.5	92.8	2.6
DEKALB DK743	163.8*	20.1	93.8	3.7
DEKALB DK714	162.0*	19.5	92.0	2.7
ICI SEEDS 8220	161.8*	19.8	93.6	2.2
CARGILL 9027	155.2	19.2	93.4	2.4
MYCOGEN 8460	153.8	19.4	93.3	3.8
CIBA 4714	146.1	19.9	93.0	2.6
B73 X PA91	143.4	19.2	92.3	4.3
LATE YELLOW AVERAGE	157.5	19.6	93.1	2.9
ALL YELLOW AVERAGE	155.2	18.2	93.2	2.4
WHITE HYBRIDS				
PIONEER BRAND 3203W	166.1*	19.0	93.7	2.8
ZIMMERMAN Z64W	155.5	19.3	93.0	2.7
ZIMMERMAN Z62W	154.6	18.2	95.2	2.5
CAVERNDAL FM. CF920W	144.2	19.2	91.8	2.8
SO. STATES SS757W	143.8	18.5	93.1	2.9
DEKALB DK703W	143.6	18.7	92.4	1.7
ASGROW RX795W	143.2	18.4	93.5	3.3
VINEYARD V-453W	139.1	18.6	94.6	1.5
VINEYARD V-448W	129.4	19.1	94.3	2.2
WHITE AVERAGE	146.6	18.8	93.5	2.5
GRAND AVERAGE	154.1	18.3	93.2	2.4
LSD (0.10)	9.2	0.6	2.1	1.3

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

Table 6. Three Year Summary 1994-1996, All Non-virus Locations

BRAND/HYBRID	YIELD BU/AC 94-96	AVG % MOIST 94-96	AVG % STAND 94-96	TOT % LODGED 94-96
EARLY YELLOW HYBRIDS				
PIONEER BRAND 3394	150.3	17.1	92.2	2.6
CIBA SEEDS 4494	147.4	17.1	93.1	3.2
FR1064 X FR450	141.9	17.2	92.4	3.5
EARLY YELLOW AVERAGE	146.5	17.1	92.6	3.1
MEDIUM YELLOW HYBRIDS				
PIONEER BRAND 3140	166.8*	19.0	91.0	3.6
ICI SEEDS 8315	166.6*	19.2	92.2	5.5
MYCOGEN 2807	161.7	17.4	92.4	2.7
PIONEER BRAND 3245	161.7	18.0	93.4	3.2
AGRATECH 787	161.3	18.5	92.9	3.6
COLBERT 326	159.3	19.1	92.0	4.5
SO. STATES SS827	159.0	19.1	91.6	2.2
CROW'S 668	158.9	18.6	92.4	1.9
MYCOGEN 2868	158.8	19.1	92.3	1.7
DEKALB DK683	158.6	19.2	89.9	1.8
ZIMMERMAN Z29	158.2	18.8	91.8	4.1
PIONEER BRAND 3279	157.4	18.4	92.2	2.4
NORTHRUP-KING N8020	157.2	18.7	93.3	1.9
TERRA SEED TR1167	157.1	18.8	91.8	1.8
TERRA SEED TR1185	156.8	19.3	91.5	5.2
CAVERNDAL FM. CF840	156.0	18.5	92.0	3.7
COLBERT 324	155.8	19.3	93.0	3.2
DEKALB DK668	155.4	18.9	91.5	1.0
PIONEER BRAND 3163	155.3	18.5	91.8	5.2
BECK'S 68	155.0	18.5	91.4	2.4
CIBA SEEDS 4545	154.9	18.1	91.5	2.8
ASGROW RX919	154.9	19.1	92.9	4.8
CROW'S 494	154.2	17.2	94.0	4.3
COLBERT 279	153.4	18.6	92.4	2.3
GOLDEN HARVEST H-2611	153.1	17.5	92.9	4.3
NORTHRUP-KING N7590	152.0	17.4	90.9	3.7
BO-JAC 629	151.6	18.5	92.4	2.2
MYCOGEN 8240	151.5	18.4	91.3	1.5
FR27 X MO17	150.6	18.0	91.7	3.4
AGRIGOLD A-6716	150.0	19.1	91.3	1.6
SO. CROSS SC-612	149.4	18.9	89.3	1.6
SO. CROSS SC-412	143.3	19.1	89.5	1.8
MEDIUM YELLOW AVERAGE	156.1	18.5	91.9	3.0
LATE YELLOW HYBRIDS				
DEKALB DK743	168.7*	20.6	91.9	3.7
SO. STATES SS943	168.3*	19.9	91.4	2.2
CROW'S 702	166.0*	20.0	92.3	2.5
DEKALB DK714	162.2*	19.8	90.9	3.0
MYCOGEN 8460	158.4	19.8	92.0	4.4
CARGILL 9027	157.6	19.3	91.7	2.6
CIBA SEEDS 4714	152.3	20.3	91.8	3.4
B73 X PA91	148.0	19.7	91.0	5.3
LATE YELLOW AVERAGE	160.2	19.9	91.6	3.4
ALL YELLOW AVERAGE	156.2	18.7	91.9	3.1
WHITE HYBRIDS				
ZIMMERMAN Z64W	158.4	19.7	92.1	3.1
ZIMMERMAN Z62W	156.9	18.4	93.1	2.5
CAVERNDAL FM. CF920W	149.8	20.1	90.3	4.1
ASGROW RX 795W	147.2	18.8	92.4	3.3
SO. STATES SS757W	146.7	19.0	91.7	3.0
DEKALB DK703W	145.6	19.2	90.8	2.1
VINEYARD V-453W	140.4	18.9	93.0	1.9
WHITE AVERAGE	149.3	19.2	91.9	2.9
GRAND AVERAGE	155.2	18.8	91.9	3.0
LSD (0.10)	6.9	0.4	1.8	1.3

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

Table 7. Hybrid Corn Performance Test 1996, Murray, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
EARLY YELLOW HYBRIDS						
DEKALB DK626		200.1*	239.9	17.0	94.2	0.5
CALLAHAN C7557			230.6	18.3	92.0	0.5
CALLAHAN C7761			224.4	18.9	92.8	0.0
CALLAHAN C7762			223.7	17.8	92.1	0.5
CROW'S 496			212.4	18.2	97.6	0.0
PIONEER BRAND 3394	169.4*	187.5*	209.9	17.7	94.5	0.5
CIBA SEEDS 5221			209.0	19.1	94.4	0.5
COLBERT 220			207.3	18.8	91.8	0.0
GLICK SEED GH667			204.8	17.9	95.8	0.5
BO-JAC 415			200.6	18.1	94.3	0.0
NORTHRUP KING N6423			190.4	20.1	94.4	0.0
CIBA SEEDS 4494	161.0	172.4	182.8	18.2	91.1	0.0
FR1064 X FR450	142.9	154.7	173.6	20.3	89.6	0.0
ASGROW RX601			166.2	19.4	93.8	0.5
EARLY YELLOW AVERAGE	157.8	178.7	205.4	18.6	93.5	0.3
+MEDIUM YELLOW HYBRIDS						
PIONEER BRAND 3335			275.0*	19.3	94.4	1.0
DEKALB DK706		200.3*	252.9*	21.5	94.5	0.0
BECK'S 6205			249.1*	17.5	95.6	0.0
NORTHRUP-KING N7590	172.6*	196.8*	245.7*	18.5	94.3	0.5
AGRATECH ATX710			242.4*	17.6	95.5	0.0
DEKALB DK658			242.3*	17.7	95.5	0.0
PFISTER 3976		197.3*	241.4*	22.2	96.8	0.0
AGRIGOLD A-6605			240.1	18.0	90.6	0.5
CIBA SEEDS 4575		198.5*	239.6	20.0	90.4	1.0
DEKALB DK642			238.4	18.2	93.0	0.0
PIONEER BRAND 3163	178.6*	204.7*	236.4	21.3	92.4	0.5
ICI SEEDS 8325			236.2	19.5	92.8	0.5
GOLDEN HARVEST H-2611	171.1*	189.5*	236.1	18.7	93.3	0.0
TERRA SEED TR1185	173.5*	191.3*	235.5	21.3	94.4	0.5
CAVERNDALE FM. CF9544			234.7	17.6	93.9	0.5
AGRIGOLD A-6725			232.9	21.7	88.5	0.0
CARGILL 8328			232.7	19.6	94.1	0.0
SO. CROSS SC-612	177.1*	194.0*	230.9	18.8	89.8	0.0
PIONEER BRAND 3140	184.3*	198.4*	229.6	19.3	92.8	0.0
AGRATECH 787	180.6*	197.9*	229.1	19.9	92.7	0.9
AGRATECH ATX770			228.5	20.4	92.3	1.1
PIONEER BRAND 3245	171.3*	194.7*	227.6	20.2	92.0	0.5
CROW'S 494	170.8*	191.9*	225.8	17.9	92.3	0.0
PIONEER BRAND 3260			225.4	21.3	90.3	0.0
MYCOGEN 2807	168.3	185.3	224.4	20.6	94.1	0.0
TERRA SEED TR1157			222.1	19.2	90.7	0.0
SO. STATES SS676			221.7	19.0	95.2	0.5
FR27 X MO17	167.5	184.6	221.6	19.8	92.4	0.5
CIBA SEEDS 4545	164.0	182.5	221.6	18.8	91.3	0.0
ICI SEEDS N3241			221.5	22.0	97.3	0.5
COLBERT 279	171.2*	188.1*	220.9	19.3	96.6	0.0
BECK'S 5405			220.8	19.6	94.0	0.0
CARGILL 7777		193.9*	220.2	19.8	97.8	0.5
SO. STATES SS897			219.6	22.2	93.7	0.0
GOLDEN HARVEST H-2622		176.4	219.2	20.5	91.1	0.5
DEKALB DK687			219.0	19.4	94.5	0.0
TERRA SEED TR1167	176.0*	193.7*	218.8	19.4	92.9	0.5
PFISTER 3049			218.7	18.2	89.8	0.0
SO. STATES SS656		187.7*	218.3	22.7	90.0	0.0
CARGILL 7770			217.1	18.0	94.0	0.0
CARGILL 8327			216.0	18.7	89.1	0.0
BECK'S 68	162.7	183.1	215.7	19.7	91.2	0.5
CALLAHAN C7466		178.8	214.9	20.5	96.1	0.0
SO. STATES SS726			214.7	18.5	92.4	0.0
PIONEER BRAND 3279	173.4*	189.9*	214.3	20.0	91.7	0.5
L.G. SEEDS LG2705		185.5	214.0	21.2	92.5	0.0
SO. STATES SS827	173.4*	184.1	213.8	18.2	93.9	0.0
ICI SEEDS 8315	171.7*	196.5*	213.7	21.1	91.6	0.0
ZIMMERMAN Z41		187.0*	213.6	19.4	94.6	0.0
BECK'S 8280		183.6	212.5	19.9	90.6	0.0
BO-JAC 614			211.5	19.3	91.5	0.0
VINEYARD FC521		190.6*	210.9	18.9	87.8	0.5
BO-JAC 605			210.7	20.1	97.7	0.0
TERRA SEED TR1154		187.6*	210.6	19.5	93.3	1.0
L.G. SEEDS LG2726			210.4	19.6	90.7	0.0
SO. STATES SS747			210.1	19.9	94.0	0.0
PIONEER BRAND 3310			208.8	18.6	92.6	0.0
AGRIGOLD A-6716	157.6	171.1	208.8	21.9	90.4	0.0

Table 7. Hybrid Corn Performance Test 1996, Murray, KY (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
ZIMMERMAN Z37			208.7	21.2	96.1	0.5
ASGROW RX771			208.5	20.5	91.4	0.0
ASGROW RX897			207.6	21.0	97.4	0.0
NORTHRUP-KING N8020	164.6	176.0	207.1	19.7	93.7	0.0
ASGROW RX919	161.7	178.1	206.7	22.8	96.8	0.0
AGVENTURE ST9213			205.5	22.3	91.0	0.0
CAVERNDALE FM. CF840	161.1	179.8	204.4	19.3	91.8	0.0
MYCOGEN 7250			203.3	20.5	92.9	0.0
CROW'S 668	164.5	176.9	202.2	19.8	93.3	0.0
GLICK SEED GH727			201.4	19.3	90.8	1.0
NORTHRUP KING N7931			201.1	20.0	87.2	0.0
CROW'S 685		182.4	199.5	20.3	95.2	0.5
SOUTHERN CROSS SC-902			197.4	19.5	93.6	0.0
MYCOGEN 8240	158.9	172.0	196.8	17.9	94.5	0.0
COLBERT 324	157.8	162.8	196.8	23.2	96.9	0.5
NORTHRUP KING N6800			194.0	22.7	95.8	0.0
ASGROW RX790			193.9	17.7	93.6	0.0
GOLDEN HARVEST H-2641		170.8	193.7	19.4	96.2	0.0
BO-JAC 629	160.6	173.2	192.1	19.7	97.6	0.0
CAVERNDALE FM. CF830			190.9	20.9	92.9	0.0
MYCOGEN 2868	161.6	175.4	190.8	20.1	93.1	0.0
COLBERT 326	156.1	168.8	190.4	22.3	93.1	1.1
SUNSTAR 4312			188.3	20.8	93.7	0.0
DEKALB DK668	161.2	171.2	186.9	20.1	88.0	0.0
GLICK SEED GH705		175.6	186.5	19.9	97.7	0.0
++NORTHRUP KING N7639BT			183.6	22.9	93.7	0.5
ZIMMERMAN Z29	161.8	171.2	178.1	20.5	92.7	0.0
DEKALB DK683	153.5	163.9	177.9	20.6	94.6	0.0
SO. CROSS SC-412	147.0	155.1	174.9	22.8	95.3	0.5
++NORTHRUP KING N6800BT			133.8	22.0	90.6	0.0
MEDIUM YELLOW AVERAGE	166.8	183.8	213.9	20.0	93.2	0.2
LATE YELLOW HYBRIDS						
ICI SEEDS 8220		201.7*	239.2	21.8	92.0	0.0
SO. STATES SS943	177.9*	196.8*	238.8	22.6	92.9	0.0
CROW'S 702	176.3*	203.6*	230.4	21.6	91.4	1.0
CIBA SEEDS 4714	169.2	182.3	227.6	21.7	94.9	0.0
DEKALB DK743	159.1	167.5	208.6	23.1	91.2	0.0
CARGILL 9027	164.1	176.6	197.3	24.6	94.4	0.0
DEKALB DK714	158.7	175.5	197.2	23.8	92.0	0.0
B73 X PA91	159.5	170.6	192.2	23.9	90.4	0.0
MYCOGEN 8460	158.1	166.2	177.2	23.7	92.7	0.0
LATE YELLOW AVERAGE	147.0	182.3	212.1	23.0	92.4	0.1
ALL YELLOW AVERAGE	165.9	183.2	213.7	21.9	93.2	0.2
WHITE HYBRIDS						
PIONEER BRAND 3203W		206.1*	253.4*	21.0	90.5	0.5
CAVERNDALE FM. CF920W	170.1*	184.2	245.0*	20.0	90.3	1.0
AGRIGOLD A-6680W			212.6	21.6	94.4	0.0
AGRIGOLD A-6535W			209.6	22.0	93.1	0.0
SO. STATES SS757W	164.0	178.5	208.3	23.1	95.3	0.5
ZIMMERMAN Z73W			206.1	18.2	96.3	0.0
L.G. SEEDS LG749W			204.3	21.0	96.2	0.0
ZIMMERMAN Z62W	153.8	168.8	197.9	20.7	94.7	0.0
ZIMMERMAN Z64W	153.4	165.1	194.1	21.1	96.9	0.5
ASGROW RX795W	153.0	163.5	191.2	19.5	94.0	1.0
ASGROW RX943W			189.7	21.1	92.0	1.5
DEKALB DK703W	146.3	160.4	186.0	21.4	91.8	0.0
VINEYARD V-453W	146.5	160.7	183.7	23.0	95.4	0.0
ZIMMERMAN Z72W			181.8	20.6	94.2	0.0
VINEYARD V-448W		146.5	180.0	21.9	92.8	0.0
WHITE AVERAGE	155.3	170.4	202.9	21.2	93.9	0.3
GRAND AVERAGE	164.4	181.6	211.6	20.2	93.3	0.2
LSD (0.10)	14.9	20.0	34.2	2.8	5.1	0.9
C.V.			12.0	10.3	4.1	289.2

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group, data for six experimental hybrids were deleted because the Companies did not provide names for them.

++ The two BT hybrids were planted on 5/15/96 due to late federal approval of these hybrids.

Table 8. Hybrid Corn Performance Test 1996, Princeton, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
EARLY YELLOW HYBRIDS						
CROW'S 496			151.9	16.8	93.8	5.7
PIONEER BRAND 3394	144.1	135.0	141.9	17.2	93.1	5.8
BO-JAC 415			139.3	17.2	89.6	5.8
CALLAHAN C7761			136.8	16.6	93.1	6.0
FR1064 X FR450	137.3	125.2	130.2	15.8	87.5	5.4
GLICK SEED GH667			129.9	16.0	91.7	4.5
CALLAHAN C7557			128.7	15.3	95.1	3.8
CIBA SEEDS 5221			127.2	16.0	89.6	7.9
CALLAHAN C7762			125.7	16.2	98.6	6.7
DEKALB DK626		125.5	125.4	14.4	91.7	8.9
CIBA SEEDS 4494	142.8	124.1	124.3	16.5	96.5	6.6
NORTHRUP KING N6423			120.9	17.1	91.7	11.2
ASGROW RX601			120.6	15.3	93.1	13.1
COLBERT 220			114.6	16.6	90.3	10.7
EARLY YELLOW AVERAGE	141.4	127.5	129.8	16.2	92.5	7.3
+MEDIUM YELLOW HYBRIDS						
L.G. SEEDS LG2726			194.7*	18.0	94.4	3.7
TERRA SEED TR1157			192.8*	16.3	91.7	11.5
AGRIGOLD A-6725			190.1*	16.0	95.1	9.9
NORTHRUP KING N6800BT			188.1*	16.8	94.4	6.1
L.G. SEEDS LG2705		159.1*	184.4*	16.8	95.1	9.0
GOLDEN HARVEST H-2622		157.4*	182.4*	16.7	97.2	4.4
NORTHRUP KING N7639BT			177.6*	17.7	95.8	12.6
DEKALB DK687			176.9*	17.3	93.8	10.1
SO. STATES SS726			173.5*	17.1	88.2	7.7
MYCOGEN 7250			172.1*	17.2	95.8	11.5
GOLDEN HARVEST H-2611	151.0*	143.8*	170.2*	17.4	95.8	15.1
SO. STATES SS656		156.5*	168.7*	17.7	95.8	4.8
DEKALB DK683	152.5*	150.0*	168.5*	18.0	91.7	4.3
CIBA SEEDS 4575		142.5*	165.7*	18.2	86.1	6.2
NORTHRUP KING N7931			165.1*	15.7	88.2	21.9
BECK'S 6205			164.7*	17.3	88.2	8.3
PIONEER BRAND 3140	150.6*	139.7*	164.1*	18.1	94.4	10.7
CAVERNDALE FM. CF830			161.9*	15.1	91.7	10.1
MYCOGEN 2868	154.0*	147.6*	161.8*	18.1	90.3	10.8
NORTHRUP-KING N8020	151.7*	150.5*	161.0*	17.7	93.1	8.0
AGVENTURE ST9213			158.8*	18.1	91.7	12.0
SUNSTAR 4312			158.8*	16.7	91.7	12.9
AGRIGOLD A-6716	155.5*	139.3*	158.7*	17.3	93.1	2.4
DEKALB DK668	158.5*	152.3*	158.3*	19.0	93.1	5.5
COLBERT 279	151.4*	142.8*	157.6*	17.0	93.8	4.8
BO-JAC 614			157.1*	18.0	91.0	4.7
ASGROW RX771			157.0*	13.7	93.1	12.1
ZIMMERMAN Z29	161.4*	155.2*	155.5*	16.6	88.9	9.9
SO. STATES SS676			155.2*	15.2	97.2	4.1
ICI SEEDS 8315	164.8*	154.0*	153.7	16.8	90.3	11.4
CALLAHAN C7466		146.1*	152.3	17.8	89.6	12.0
CAVERNDALE FM. CF840	156.3*	148.7*	152.0	18.3	93.8	13.1
TERRA SEED TR1154		143.4*	152.0	16.4	93.1	9.8
CIBA SEEDS 4545	141.9	137.7*	151.8	15.8	93.8	8.2
ICI SEEDS N3241			150.6	16.4	96.5	1.2
NORTHRUP KING N6800			150.3	16.8	92.4	12.7
COLBERT 326	156.3*	147.7*	149.9	17.3	95.8	23.4
PIONEER BRAND 3335			149.2	15.4	90.3	3.5
PIONEER BRAND 3310			148.3	17.5	96.5	10.3
CARGILL 8328			148.2	16.0	90.3	5.4
AGRATECH ATX710			147.2	17.0	91.7	5.9
ICI SEEDS 8325			147.2	16.3	92.4	3.9
NORTHRUP-KING N7590	145.6	126.3	147.2	16.2	93.1	12.0
GOLDEN HARVEST H-2641		141.8*	146.0	16.4	91.0	7.3
BECK'S 68	144.3	137.1*	145.6	17.0	92.4	3.9
DEKALB DK706		131.3	145.4	18.3	93.1	16.5
MYCOGEN 8240	147.6*	136.5*	145.2	17.3	95.8	8.1
DEKALB DK658			143.6	16.7	91.0	14.3
TERRA SEED TR1167	146.3	139.0*	143.2	16.2	93.1	6.0
AGRATECH ATX770			142.8	16.4	89.6	7.6
GLICK SEED GH727			142.6	18.3	87.5	10.4
SO. STATES SS827	150.9*	135.8	142.6	17.2	91.0	7.9
PIONEER BRAND 3245	146.8	144.1*	142.4	15.9	93.8	9.1
GLICK SEED GH705		141.6*	142.1	17.0	91.7	10.5
CROW'S 668	153.7*	141.9*	142.0	16.3	97.9	8.9
CARGILL 7777		135.8	141.2	15.7	91.7	11.9
FR27 X MO17	149.8*	135.5	141.1	16.9	95.8	5.0
SO. CROSS SC-412	132.4	127.3	141.1	16.9	92.4	6.8

Table 8. Hybrid Corn Performance Test 1996, Princeton, KY (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
CARGILL 8327			139.6	17.9	91.0	8.3
PIONEER BRAND 3279	148.9*	126.9	139.6	17.3	95.8	6.0
ASGROW RX897			139.4	18.0	92.4	8.6
CAVERNDALE FM. CF9544			139.2	18.4	87.5	14.5
CROW'S 494	148.6*	128.2	138.2	18.4	91.0	13.8
ASGROW RX790			137.7	16.2	93.1	6.2
VINEYARD FC521		134.1	135.3	18.1	89.6	6.5
BO-JAC 629	146.5	134.8	134.6	17.6	91.0	10.8
CARGILL 7770			133.6	17.6	92.4	10.4
CROW'S 685		139.5*	133.2	17.1	95.8	11.5
SO. STATES SS897			132.4	16.1	90.3	3.7
SO. CROSS SC-612	147.3	134.3	132.0	16.9	91.0	2.0
ZIMMERMAN Z41		131.2	131.8	15.0	87.5	7.7
TERRA SEED TR1185	144.2	132.3	131.4	15.9	89.6	11.4
COLBERT 324	136.9	127.2	129.3	17.7	93.8	11.0
BECK'S 8280		136.1	128.6	17.4	92.4	16.8
PIONEER BRAND 3163	131.4	123.8	128.6	17.1	93.1	11.8
SOUTHERN CROSS SC-902			127.4	16.4	93.8	5.5
PFISTER 3976		142.0*	127.3	17.4	91.7	5.8
DEKALB DK642			126.7	16.1	89.6	9.0
PFISTER 3049			124.9	17.0	88.9	4.6
MYCOGEN 2807	157.3*	135.8	124.5	15.4	91.0	12.3
BECK'S 5405			123.3	15.5	96.5	5.8
PIONEER BRAND 3260			123.0	17.3	95.1	16.4
SO. STATES SS747			122.1	15.9	91.7	12.1
ZIMMERMAN Z37			119.8	17.5	95.1	10.0
ASGROW RX919	146.6	127.7	117.9	17.0	91.0	23.8
BO-JAC 605			116.0	17.4	94.4	18.9
ARATECH 787	155.7*	131.3	113.0	16.5	88.2	22.8
AGRIGOLD A-6605			112.9	14.9	84.7	13.8
MEDIUM YELLOW AVERAGE	149.5	140.0	147.7	16.9	92.3	9.6
LATE YELLOW HYBRIDS						
CROW'S 702	155.8*	151.6*	157.6*	17.7	88.2	11.9
DEKALB DK714	154.6*	148.1*	153.3	17.4	91.7	13.7
MYCOGEN 8460	151.4*	141.2*	148.2	18.5	88.9	25.4
DEKALB DK743	160.0*	142.6*	142.5	18.4	88.9	19.9
SO. STATES SS943	144.6	131.6	136.6	16.8	93.1	8.5
B73 X PA91	142.2	127.1	135.8	17.0	97.9	16.5
ICI SEEDS 8220		139.2*	135.2	17.7	91.7	12.9
CARGILL 9027	141.7	131.0	127.8	18.7	93.1	12.1
CIBA SEEDS 4714	135.2	121.5	118.6	19.7	93.8	9.5
LATE YELLOW AVERAGE	148.2	137.1	139.5	18.0	91.9	14.5
ALL YELLOW AVERAGE	148.8	138.7	144.9	16.9	92.3	9.7
WHITE HYBRIDS						
VINEYARD V-448W		140.9*	176.5*	17.8	97.9	6.8
ZIMMERMAN Z62W	149.5*	144.3*	161.3*	16.4	95.1	3.7
ZIMMERMAN Z64W	135.8	120.6	135.2	18.0	88.2	10.7
DEKALB DK703W	143.5	127.2	134.1	17.4	90.3	10.7
ZIMMERMAN Z73W			130.2	17.2	95.8	8.4
AGRIGOLD A-6680W			128.6	16.5	93.1	16.0
ASGROW RX943W			128.0	17.0	94.4	25.8
AGRIGOLD A-6535W			125.8	18.0	95.1	18.2
VINEYARD V-453W	134.6	123.5	125.5	16.5	88.2	3.1
ASGROW RX795W	138.6	123.5	119.3	16.9	93.8	12.5
L.G. SEEDS LG749W			119.3	17.3	90.3	12.3
CAVERNDALE FM. CF920W	131.5	119.2	118.0	17.4	94.4	14.7
PIONEER BRAND 3203W		125.0	115.0	17.3	93.1	12.0
SO. STATES SS757W	129.1	114.9	105.3	16.9	95.8	26.1
ZIMMERMAN Z72W			103.6	17.7	94.4	27.3
WHITE AVERAGE	137.5	126.6	128.4	17.2	93.3	13.8
GRAND AVERAGE	147.2	137.1	143.0	16.9	92.5	10.2
LSD (0.10)	17.2	22.7	39.8	1.8	6.1	11.3
C.V.			16.7	3.9	6.5	66.6

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group, data for six experimental hybrids were deleted because the Companies did not provide names for them.

Table 9. Hybrid Corn Performance Test 1996, Reynolds Station, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996	
EARLY YELLOW HYBRIDS							
CROW'S 496			181.0	18.0	95.4	1.0	
CALLAHAN C7762			176.9	17.4	93.1	0.0	
BO-JAC 415			173.1	18.7	91.4	0.5	
NORTHRUP KING N6423			170.9	17.9	96.8	1.0	
CALLAHAN C7557			167.6	16.5	97.1	1.4	
PIONEER BRAND 3394	147.3	139.2	167.0	18.7	94.0	1.5	
GLICK SEED GH667			165.3	16.2	95.8	1.0	
DEKALB DK626		138.8	158.3	16.6	94.4	5.4	
COLBERT 220			157.4	15.3	94.9	1.0	
CIBA SEEDS 5221			154.2	17.3	92.1	1.0	
CALLAHAN C7761			150.2	18.7	94.0	0.0	
FR1064 X FR450	143.1	131.2	150.0	18.2	94.6	1.0	
CIBA SEEDS 4494	127.9	124.1	145.2	17.8	94.1	1.0	
ASGROW RX601			144.6	16.1	90.8	1.0	
EARLY YELLOW AVERAGE	139.4	133.3	161.6	17.4	94.2	1.2	
+MEDIUM YELLOW HYBRIDS							
ASGROW RX919	169.5*	173.4*	222.4*	20.3	97.7	0.9	
PIONEER BRAND 3245	161.4*	163.3*	210.7*	20.3	93.9	0.5	
BECK'S 8280		171.4*	208.7*	20.8	96.9	1.0	
PIONEER BRAND 3140	174.0*	160.0*	208.7*	20.1	94.9	0.5	
DEKALB DK683	160.5*	165.9*	205.1*	20.9	96.4	1.0	
PIONEER BRAND 3279	153.2	142.3	204.2*	18.2	94.1	1.0	
SO. STATES SS897			204.0*	19.9	98.3	0.9	
PFISTER 3976		153.3*	198.7*	20.8	96.0	1.0	
BECK'S 68	154.0	144.6	194.2*	18.9	97.9	0.5	
DEKALB DK706			145.4	193.4*	21.3	95.8	1.5
ICI SEEDS 8315	166.3*	160.4*	193.1*	21.2	90.7	3.0	
AGRIGOLD A-6725			192.5*	19.1	95.9	1.9	
ZIMMERMAN Z29	154.2	146.7	191.7*	20.0	96.2	0.5	
ASGROW RX897			191.4*	20.1	96.0	4.3	
SO. STATES SS656		150.2	191.1*	18.6	95.9	1.0	
SO. STATES SS827	159.4*	151.4*	190.8*	19.1	94.4	0.5	
ICI SEEDS 8325			190.4*	18.7	95.7	1.5	
CROW'S 685		151.1*	190.0*	18.9	95.9	0.0	
CARGILL 8327			187.8*	20.6	97.3	2.4	
SO. CROSS SC-612	156.8*	146.4	187.6*	19.5	96.4	0.9	
CARGILL 7777		152.6*	186.4*	18.0	90.8	1.5	
NORTHRUP KING N6800BT			186.0*	19.2	93.9	2.1	
CIBA SEEDS 4575		152.7*	185.6*	20.0	97.2	0.5	
ICI SEEDS N3241			185.4*	20.3	95.7	1.0	
SO. STATES SS726			185.4*	18.4	98.6	1.9	
ASGROW RX771			184.9*	17.8	97.1	1.9	
MYCOGEN 2868	152.1	144.3	184.3*	20.4	97.2	0.5	
BECK'S 6205			183.6*	17.7	94.5	0.5	
AGRATECH ATX770			183.2*	19.8	96.8	1.9	
DEKALB DK658			182.6*	19.4	94.4	1.0	
BO-JAC 605			181.7*	20.0	96.2	1.4	
SO. STATES SS676			181.0	18.8	93.4	0.5	
L.G. SEEDS LG2726			180.6	21.2	95.4	0.5	
GOLDEN HARVEST H-2622		151.5*	180.5	20.1	95.3	2.4	
SO. STATES SS747			180.5	19.7	95.8	1.0	
NORTHRUP KING N7931			179.8	20.0	95.4	0.0	
PIONEER BRAND 3163	157.9*	146.0	179.6	21.8	93.1	0.5	
AGRATECH 787	152.9	145.3	179.5	19.9	97.6	1.0	
TERRA SEED TR1185	158.7*	149.3	179.5	19.6	95.4	0.5	
GLICK SEED GH705		143.7	179.2	18.2	92.7	1.5	
BECK'S 5405			178.1	18.2	96.5	0.5	
MYCOGEN 7250			178.1	19.0	95.0	1.9	
NORTHRUP KING N7639BT			177.7	19.7	95.8	0.5	
DEKALB DK668	154.8	156.7*	177.5	19.9	95.3	0.0	
PIONEER BRAND 3310			177.1	18.9	93.4	1.5	
CAVERNDAL FM. CF840	152.5	146.7	177.0	19.0	96.3	1.0	
NORTHRUP KING N6800			175.1	19.3	91.2	0.0	
CARGILL 7770			174.9	19.1	93.6	0.9	
GOLDEN HARVEST H-2641		138.0	174.9	19.4	95.4	0.5	
PIONEER BRAND 3260			174.2	20.8	96.7	3.7	
PIONEER BRAND 3335			174.2	18.5	93.5	0.5	
SO. CROSS SC-412	142.4	140.5	173.3	20.7	92.6	2.5	
GOLDEN HARVEST H-2611	152.2	142.6	171.5	18.1	96.7	1.9	
AGRIGOLD A-6716	148.2	143.5	171.2	21.1	96.8	1.0	
CAVERNDAL FM. CF830			170.8	18.6	93.9	1.5	
TERRA SEED TR1154		145.6	170.6	18.2	97.2	0.0	
CAVERNDAL FM. CF9544			169.9	18.9	97.5	0.5	
AGRIGOLD A-6605			169.8	17.4	94.0	9.4	

Table 9. Hybrid Corn Performance Test 1996, Reynolds Station (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
AGRATECH ATX710			169.7	18.9	91.6	3.6
AGVENTURE ST9213			169.4	20.7	95.9	1.0
DEKALB DK642			169.4	18.7	95.9	1.4
SOUTHERN CROSS SC-902			169.2	17.9	92.5	1.0
VINEYARD FC521		148.0	168.8	17.8	93.4	2.9
SUNSTAR 4312			168.7	16.8	94.8	3.0
CROW'S 668	145.7	141.9	167.9	19.0	97.3	0.9
L.G. SEEDS LG2705		146.6	167.7	19.6	91.7	2.5
ZIMMERMAN Z41		142.4	166.2	19.4	96.7	1.4
ZIMMERMAN Z37			165.5	20.8	92.1	1.9
NORTHRUP-KING N7590	141.7	136.3	165.1	18.7	92.7	5.4
COLBERT 279	156.3	142.0	164.4	20.1	97.2	0.5
MYCOGEN 2807	155.8	142.6	164.4	18.4	95.1	1.9
CROW'S 494	145.5	131.8	163.9	18.1	99.1	0.9
DEKALB DK687			163.5	21.6	97.3	1.4
FR27 X MO17	146.3	129.5	162.0	19.5	91.2	0.5
TERRA SEED TR1167	153.3	135.5	160.9	19.6	93.5	3.0
CARGILL 8328			160.8	19.4	96.7	0.9
MYCOGEN 8240	149.5	144.6	159.6	20.3	95.0	0.5
NORTHRUP-KING N8020	150.6	140.1	158.3	19.2	97.7	1.0
COLBERT 326	150.5	141.7	158.2	21.2	96.8	14.0
PFISTER 3049			156.7	19.1	91.7	2.6
COLBERT 324	156.2	140.5	156.3	20.3	91.8	3.0
CIBA SEEDS 4545	150.6	133.5	154.4	19.2	92.1	1.5
GLICK SEED GH727			151.7	18.1	93.6	2.5
CALLAHAN C7466		132.3	149.4	19.9	94.4	3.5
TERRA SEED TR1157			147.3	20.4	95.3	1.9
BO-JAC 629	142.5	127.4	144.9	19.8	97.7	0.0
ASGROW RX790			144.3	18.6	92.7	0.5
BO-JAC 614			141.8	20.5	94.4	1.0
MEDIUM YELLOW AVERAGE	153.9	146.4	177.1	19.5	95.1	1.5
LATE YELLOW HYBRIDS						
CROW'S 702	159.7*	150.6*	216.2*	21.8	94.0	3.0
DEKALB DK743	173.3*	165.3*	215.1*	20.7	93.0	1.0
CARGILL 9027	163.3*	163.2*	204.5*	20.4	93.5	0.5
CIBA SEEDS 4714	162.8*	156.1*	202.6*	22.7	96.2	2.4
ICI SEEDS 8220		139.2	200.8*	22.0	92.1	1.0
SO. STATES SS943	154.9	140.6	182.3*	21.6	94.3	3.0
DEKALB DK714	166.7*	155.4*	180.8	19.5	93.2	2.4
B73 X PA91	151.6	139.6	177.4	20.4	97.2	3.8
MYCOGEN 8460	152.4	140.3	152.9	22.4	97.3	1.0
LATE YELLOW AVERAGE	160.6	137.1	192.5	21.3	94.5	14.5
ALL YELLOW AVERAGE	154.2	150.1	176.4	19.4	94.9	2.0
WHITE HYBRIDS						
ZIMMERMAN Z64W	165.6*	158.6*	218.5*	20.2	98.1	0.5
PIONEER BRAND 3203W		163.1*	213.7*	21.1	96.7	3.4
ZIMMERMAN Z62W	166.4*	155.9*	204.4*	19.1	94.8	10.7
AGRIGOLD A-6680W			184.5*	20.9	95.8	0.5
ASGROW RX943W			180.0	21.7	94.0	3.5
L.G. SEEDS LG749W			168.4	20.3	95.0	0.0
VINEYARD V-453W	136.1	131.7	168.3	18.4	90.2	2.5
ZIMMERMAN Z73W			163.6	21.1	96.2	3.3
CAVERNDAL FM. CF920W	146.0	132.8	163.5	19.3	93.5	0.5
SO. STATES SS757W	147.2	135.8	161.5	19.4	95.8	0.0
DEKALB DK703W	141.3	134.9	160.4	18.7	95.0	0.5
ZIMMERMAN Z72W			159.0	21.1	97.1	6.7
ASGROW RX795W	139.6	126.7	156.0	19.0	95.0	1.4
VINEYARD V-448W		117.8	150.7	21.4	96.1	1.0
AGRIGOLD A-6535W			147.3	20.6	94.6	1.4
WHITE AVERAGE	148.9	139.7	173.3	20.2	95.2	2.4
GRAND AVERAGE	153.4	145.3	176.1	19.5	95.0	1.7
LSD (0.10)	17.1	22.8	41.0	2.4	5.1	5.1
C.V.			14.0	7.3	3.3	180.5

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group, data for six experimental hybrids were deleted because the Companies did not provide names for them.

Table 10. Hybrid Corn Performance Test 1996, Elkton, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996	GLS % RATING 1996
EARLY YELLOW HYBRIDS							
CIBA SEEDS 4494	159.4*	151.9*	185.8*	18.9	90.3	2.3	36.2
COLBERT 220			164.8	20.0	92.4	0.7	16.9
CALLAHAN C7762			161.7	18.7	93.8	0.7	49.9
CIBA SEEDS 5221			160.7	17.4	95.1	0.0	44.3
ASGROW RX601			156.9	17.6	92.4	0.0	26.3
CALLAHAN C7761			151.7	18.2	91.0	3.1	46.2
CROW'S 496			150.1	17.9	97.2	2.1	21.0
BO-JAC 415			149.2	18.6	88.2	1.7	30.0
CALLAHAN C7557			146.6	19.5	94.4	2.9	28.5
NORTHRUP KING N6423			145.7	18.0	92.4	0.0	32.0
GLICK GH667			140.1	22.0	86.1	1.7	31.5
FR1064 X FR450	136.6	121.1	139.1	19.2	96.5	2.2	65.3
DEKALB DK626		126.9	132.8	22.9	95.8	2.9	17.7
PIONEER BRAND 3394	119.3	105.7	125.5	17.3	87.5	0.0	44.3
EARLY YELLOW AVERAGE	138.4	126.4	150.8	19.0	92.4	1.5	35.0
+MEDIUM YELLOW HYBRIDS							
BECK'S 5405			203.6*	20.2	90.3	2.3	20.8
BECK'S 8280		152.5*	184.8*	21.4	91.0	1.5	11.0
ICI SEEDS 8315	159.3*	143.7*	172.3	20.0	90.3	0.0	29.3
SO. STATES SS676			172.3	19.6	94.4	0.0	36.0
L.G. SEEDS LG2726			171.8	20.3	91.7	0.8	15.8
PIONEER BRAND 3140	150.3*	135.9*	171.7	22.0	89.6	2.9	13.3
BO-JAC 605			170.0	21.5	93.1	3.8	7.9
TERRA SEED TR1154		147.6*	169.8	19.8	90.3	2.3	34.7
CARGILL 7770			169.4	17.6	91.0	0.7	48.3
CIBA SEEDS 4575		145.1*	169.4	22.0	90.3	1.5	17.5
CARGILL 7777		132.9	166.8	19.9	88.2	2.3	40.8
GOLDEN HARVEST H-2641		137.5*	165.0	18.6	89.6	0.8	31.3
BECK'S 6205			164.2	18.2	92.4	3.8	22.7
BO-JAC 629	149.1*	133.3	162.0	20.6	95.1	1.5	23.4
PIONEER BRAND 3260			162.0	21.4	89.6	2.3	31.9
MYCOGEN 2868	147.3	131.2	161.9	20.7	90.3	0.0	25.8
ICI SEEDS N3241			161.8	22.9	88.2	0.8	21.3
ASGROW RX771			160.9	21.1	97.2	0.7	13.1
NORTHRUP-KING N8020	146.5	131.7	160.4	19.7	97.2	0.0	17.5
CROW'S 668	162.3*	149.4*	160.3	18.7	89.6	0.8	22.1
DEKALB DK683	154.4*	137.5*	160.1	22.1	93.1	0.7	4.9
L.G. SEEDS LG2705		136.7*	159.8	20.1	93.1	0.0	29.0
MYCOGEN 8240	139.7	121.4	159.8	19.0	96.5	0.0	30.2
AGVENTURE ST9213			159.5	20.7	94.4	2.9	24.3
AGRATECH 787	151.1*	144.1*	159.4	21.4	95.1	0.7	36.6
PFISTER 3049			159.3	20.3	93.8	1.5	19.5
SO. STATES SS827	151.4*	138.7*	157.8	20.0	90.3	0.8	15.9
CARGILL 8327			156.8	18.6	90.3	3.1	21.7
DEKALB DK668	142.8	127.1	156.7	20.6	93.1	0.0	23.0
PIONEER BRAND 3335			156.1	20.8	93.8	1.5	29.6
NORTHRUP KING N7931			154.8	20.2	91.0	1.5	33.4
CAVERNDAL FM. CF9544			152.0	20.6	87.5	0.0	17.1
ZIMMERMAN Z37			151.8	21.2	86.1	15.0	10.8
SO. STATES SS747			150.6	19.2	95.1	6.5	35.8
CROW'S 685		127.3	150.2	20.7	91.0	3.1	27.6
SO. STATES SS656		127.9	150.0	19.1	95.8	2.1	41.8
AGRIGOLD A-6605			149.3	19.9	98.6	3.5	23.9
MYCOGEN 7250			148.7	19.0	91.7	1.5	24.1
CAVERNDAL FM. CF840	144.2	123.0	146.9	20.5	91.7	2.3	26.2
BECK'S 68	144.8	122.0	146.2	20.0	96.5	2.2	36.4
DEKALB DK687			145.4	23.1	88.2	0.7	5.6
ZIMMERMAN Z41		128.9	144.8	20.0	96.5	1.4	50.4
TERRA SEED TR1157			144.7	21.7	90.3	0.8	25.1
DEKALB DK706		124.6	143.3	20.3	84.7	4.1	9.4
DEKALB DK658			143.0	21.0	92.4	4.5	10.4
SO. STATES SS897			141.9	22.5	95.1	2.2	14.7
AGRATECH ATX770			141.7	20.6	95.1	2.9	23.4
ASGROW RX790			141.7	18.5	89.6	0.0	34.6
TERRA SEED TR1167	134.9	119.1	141.6	21.4	91.7	0.0	28.4
GOLDEN HARVEST H-2611	145.4	129.0	141.0	20.3	93.8	18.8	26.6
COLBERT 324	137.6	122.0	140.8	21.2	97.2	0.0	18.6
PIONEER BRAND 3310			140.0	21.4	88.9	2.3	14.6
CARGILL 8328			139.7	21.1	87.5	4.5	40.1
DEKALB DK642			139.6	19.3	93.8	1.5	19.8
COLBERT 326	139.6	119.8	139.4	21.0	91.0	5.5	21.6
CALLAHAN C7466		125.6	138.9	21.4	86.8	0.0	15.8
COLBERT 279	138.0	122.6	138.4	21.7	95.1	1.5	19.9
TERRA SEED TR1185	134.1	115.2	138.4	21.2	84.0	2.5	11.8

Table 10. Hybrid Corn Performance Test 1996, Elkton, KY (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996	GLS % RATING 1996
ZIMMERMAN Z29	143.0	121.3	138.1	19.6	87.5	23.3	31.3
GLICK SEED GH705		127.4	138.0	19.6	91.7	1.5	50.0
SUNSTAR 4312			138.0	19.0	90.3	2.3	48.4
MYCOGEN 2807	138.8	124.2	137.7	19.6	88.2	6.3	24.5
CROW'S 494	138.4	124.8	137.4	18.5	95.8	2.9	38.0
ASGROW RX897			136.3	20.2	91.0	1.5	17.8
CAVERNDALE FM. CF830			134.8	22.4	92.4	4.5	44.2
AGRIGOLD A-6725			134.4	20.8	90.3	6.3	28.9
SO. STATES SS726			134.4	20.6	91.7	0.8	48.1
GLICK GH727			134.1	20.1	89.6	0.0	21.1
BO-JAC 614			133.9	20.4	91.0	6.1	23.1
PIONEER BRAND 3279	141.0	115.7	133.6	18.1	91.0	1.5	40.7
GOLDEN HARVEST H-2622		120.3	133.5	21.7	94.4	0.0	26.8
NORTHRUP KING N6800			132.6	20.7	88.9	0.8	20.2
NORTHRUP-KING N7590	133.8	114.3	131.9	19.6	88.2	0.8	59.3
FR27 X MO17	134.8	119.2	131.8	18.5	97.2	1.4	47.6
PIONEER BRAND 3163	130.5	113.4	131.1	18.7	88.2	0.0	29.6
SO. CROSS SC-412	128.4	114.5	130.3	21.1	91.0	0.8	18.8
VINEYARD FC521		119.7	130.1	18.1	95.1	2.9	51.7
AGRIGOLD A-6716	131.3	111.7	129.9	19.9	94.4	2.2	16.1
CIBA SEEDS 4545	137.5	121.8	127.4	19.3	93.8	11.8	25.8
PIONEER BRAND 3245	146.9	125.6	125.0	20.2	99.3	2.1	46.1
SOUTHERN CROSS SC-902			123.0	19.6	88.9	3.2	26.3
ICI SEEDS 8325			122.8	19.2	91.0	4.0	22.8
PFISTER 3976		101.7	114.8	22.5	91.7	5.4	19.6
SO. CROSS SC-612	133.3	109.1	112.8	20.9	95.1	0.0	18.6
AGRATECH ATX710			108.7	20.3	94.4	1.5	23.4
++NORTHRUP KING N7639BT			103.8	23.2	86.8	0.8	12.2
ASGROW RX919	122.1	98.6	102.1	21.7	87.5	4.0	15.9
++NORTHRUP KING N6800BT			65.4	22.9	92.4	0.8	13.2
MEDIUM YELLOW AVERAGE	141.6	140.3	145.3	20.4	91.8	2.6	26.2
LATE YELLOW HYBRIDS							
ICI SEEDS 8220		135.9*	175.3*	22.8	92.4	0.0	12.4
DEKALB DK743	143.9	128.0	147.7	22.9	93.8	1.5	15.7
DEKALB DK714	143.3	125.1	146.0	22.8	93.1	3.0	5.7
CROW'S 702	149.3*	135.2*	141.9	21.6	92.4	2.9	7.2
MYCOGEN 8460	138.0	121.1	141.5	20.4	91.7	5.1	9.7
SO. STATES SS943	139.8	115.8	138.2	21.6	86.1	1.6	12.6
CARGILL 9027	145.3	124.0	131.1	20.7	93.1	0.7	12.6
CIBA SEEDS 4714	130.6	108.0	111.1	20.3	98.6	1.4	0.1
B73 X PA91	115.9	90.1	87.9	19.9	93.8	3.0	57.8
LATE YELLOW AVERAGE	138.3	120.4	135.6	21.4	92.8	2.2	14.9
ALL YELLOW AVERAGE	140.1	125.5	145.2	20.3	92.0	2.4	26.3
WHITE HYBRIDS							
PIONEER BRAND 3203W		141.8*	177.6*	20.3	96.5	0.7	9.5
ZIMMERMAN Z64W	154.4*	148.1*	168.3	21.8	91.0	0.7	13.2
ASGROW RX943W			163.9	22.0	93.8	0.0	7.8
ZIMMERMAN Z62W	147.6	139.4*	159.8	21.6	91.7	0.0	12.1
SO. STATES SS757W	137.0	129.6	145.1	19.8	90.3	1.5	24.2
AGRIGOLD A-6680W			142.9	20.0	86.1	0.8	13.5
AGRIGOLD A-6535W			141.0	20.2	95.8	0.7	18.4
DEKALB DK703W	132.2	116.1	140.1	21.6	97.9	1.4	14.3
ASGROW RX795W	144.9	128.0	135.4	20.3	93.8	1.6	22.8
VINEYARD V-453W	127.5	109.0	133.5	20.6	95.8	1.5	18.8
ZIMMERMAN Z73W			132.3	20.5	95.1	1.5	14.7
L.G. SEEDS LG749W			130.4	20.2	97.9	0.0	22.7
ZIMMERMAN Z72W			124.0	21.8	93.8	1.4	23.8
CAVERNDALE FM. CF920W	136.9	115.4	118.6	21.6	88.2	0.8	19.9
VINEYARD V-448W		95.8	101.3	21.4	96.5	3.6	14.6
WHITE AVERAGE	140.1	124.8	140.9	20.9	93.6	1.1	16.9
GRAND AVERAGE	140.7	125.3	144.8	20.4	92.1	2.3	25.2
LSD (0.10)	14.0	18.7	30.0	2.6	6.9	6.6	15.5
C.V.			12.5	7.9	4.5	173.9	37.8

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.
+ In the Medium group data for six experimental hybrids were deleted because the Companies did not provide names for them.
++ The two BT hybrids were planted on 5/15/96 due to late federal approval of these hybrids.

Table 11. Hybrid Corn Performance Test 1996, Bardstown, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
EARLY YELLOW HYBRIDS						
CROW'S 496			207.0	18.2	92.3	0.1
CIBA SEEDS 5221			194.2	17.2	94.0	0.0
BO-JAC 415			178.0	16.6	91.3	0.8
CIBA SEEDS 4494	151.3	161.1	174.8	16.4	91.6	0.1
PIONEER BRAND 3394	156.1	156.8	169.3	15.7	89.4	0.0
COLBERT 220			164.9	17.4	85.1	0.6
FR1064 X FR450	158.9	178.3*	158.7	17.0	90.8	0.7
CALLAHAN C7761			156.6	16.2	86.5	0.0
GLICK SEED GH667			153.9	16.5	97.1	0.7
CALLAHAN C7762			152.3	16.8	93.6	0.0
CALLAHAN C7557			149.1	16.7	91.9	0.6
DEKALB DK626		163.8*	146.3	17.1	82.2	0.0
NORTHRUP KING N6423			145.7	16.0	90.9	0.1
ASGROW RX601			141.4	18.7	94.7	0.7
EARLY YELLOW AVERAGE	155.4	165.0	163.7	16.9	90.8	0.3
+MEDIUM YELLOW HYBRIDS						
ASGROW RX790			240.2*	18.2	94.5	0.0
ASGROW RX771			235.4*	18.6	97.9	0.0
BECK'S 6205			233.1*	17.8	89.2	0.0
TERRA SEED TR1167	167.0	180.7*	232.3*	18.4	94.0	0.0
ICI SEEDS 8325			228.0	18.0	92.9	0.0
ICI SEEDS 8315	180.6*	195.2*	226.0	17.4	96.3	1.9
MYCOGEN 2868	171.0	188.4*	225.0	19.5	94.3	0.0
CAVERNDALE FM. CF840	165.8	183.5*	222.6	18.6	96.7	0.0
SUNSTAR 4312			218.9	18.2	92.4	0.6
CROW'S 685		188.5*	216.6	19.2	88.9	0.1
ZIMMERMAN Z41		188.0*	213.4	16.6	89.5	0.0
DEKALB DK706		192.8*	211.9	19.3	90.7	0.0
COLBERT 324	170.2	184.1*	211.8	19.0	95.2	0.6
NORTHRUP-KING N8020	169.5	186.3*	207.9	20.0	91.5	0.0
CIBA SEEDS 4575		169.2*	207.5	19.1	90.6	1.4
NORTHRUP KING N7639BT			207.1	18.8	92.2	0.0
CARGILL 8327			204.2	17.8	94.0	0.6
PIONEER BRAND 3279	165.4	174.4*	203.8	18.0	95.0	0.1
DEKALB DK687			203.5	19.6	92.0	1.4
BECK'S 8280		180.4*	203.0	19.5	94.1	0.6
ZIMMERMAN Z37			202.7	19.0	93.5	0.0
GOLDEN HARVEST H-2622		169.8*	202.3	18.8	93.7	1.4
PIONEER BRAND 3260			200.5	18.1	99.0	0.0
CARGILL 7770			200.4	18.0	90.2	0.0
PFISTER 3976		173.7*	197.5	20.7	94.6	0.0
L.G. SEEDS LG2705		174.6*	196.7	19.6	93.1	0.1
NORTHRUP KING N7931			195.1	18.0	94.5	0.0
MYCOGEN 2807	175.9*	186.9*	195.0	16.7	96.1	0.0
ZIMMERMAN Z29	163.4	177.3*	194.0	18.0	94.1	0.6
CROW'S 668	161.4	172.2*	191.8	19.7	91.8	0.0
COLBERT 326	177.7*	183.1*	190.4	18.4	93.8	0.0
AGRIGOLD A-6725			190.3	18.7	92.9	0.0
CIBA SEEDS 4545	163.6	170.2*	189.2	17.8	90.7	0.0
ASGROW RX897			188.0	18.4	94.3	0.7
BECK'S 5405			186.0	17.6	98.1	0.0
DEKALB DK658			186.0	18.0	96.5	0.0
DEKALB DK668	164.9	178.6*	185.9	18.3	93.5	0.0
NORTHRUP-KING N7590	153.0	162.8	185.4	17.9	98.6	0.6
TERRA SEED TR1185	158.6	176.9*	185.3	21.2	99.6	0.7
SO. STATES SS827	156.9	154.8	184.2	18.2	81.1	0.7
BECK'S 68	166.0	181.4*	183.8	18.3	95.2	0.7
CALLAHAN C7466			162.3	18.9	95.4	0.0
DEKALB DK683	167.5	174.6*	180.6	19.3	91.7	0.0
DEKALB DK642			180.3	18.7	75.1	0.7
AGRATECH 787	156.2	170.0*	179.4	18.3	97.9	0.0
SO. STATES SS676			178.3	19.3	96.6	1.4
PIONEER BRAND 3140	164.3	168.0*	177.5	19.0	93.5	0.1
TERRA SEED TR1154		165.7*	177.2	17.8	98.2	0.0
GLICK SEED GH727			177.2	18.3	93.5	0.0
AGVENTURE ST9213			175.9	18.4	78.1	0.0
SO. STATES SS747			175.4	19.5	95.6	0.6
PFISTER 3049			174.5	18.7	80.9	0.0
FR27 X MO17	157.6	166.9*	172.8	18.6	87.9	0.0
PIONEER BRAND 3163	157.7	160.7	172.6	18.0	94.8	0.0
CARGILL 7777		172.1*	172.1	17.3	90.5	0.7
ICI SEEDS N3241			171.7	20.7	94.7	0.0
BO-JAC 614			171.2	19.2	75.4	0.0

Table 11. Hybrid Corn Performance Test 1996, Bardstown, KY (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
BO-JAC 629	146.5	158.9	170.1	17.6	95.4	0.8
AGRIGOLD A-6605			169.3	17.9	94.4	0.7
GOLDEN HARVEST H-2611	148.6	144.2	167.4	17.9	95.6	0.0
ASGROW RX919	165.7	168.4*	167.2	18.2	94.6	1.3
COLBERT 279	156.8	166.7*	167.0	20.5	85.6	0.0
MYCOGEN 8240	143.9	149.9	163.5	19.1	92.0	0.1
BO-JAC 605			163.3	20.2	93.2	0.0
PIONEER BRAND 3310			162.7	18.5	83.9	0.1
SO. CROSS SC-412	152.3	160.6	159.8	19.7	87.9	0.0
NORTHROP KING N6800			159.7	17.6	90.9	1.4
L.G. SEEDS LG2726			159.5	22.2	94.3	0.1
CARGILL 8328			158.0	18.6	95.2	0.8
TERRA SEED TR1157			156.1	19.0	94.3	0.0
GOLDEN HARVEST H-2641		137.1	155.8	17.6	90.0	0.7
PIONEER BRAND 3245	170.3	163.5	154.4	19.3	90.9	0.7
CROW'S 494	150.0	159.0	152.7	17.6	92.4	1.4
SOUTHERN CROSS SC-902			152.3	17.3	95.0	0.0
SO. STATES SS656		160.7	150.1	18.0	95.7	0.0
AGRATECH ATX710			149.5	18.1	94.3	0.0
SO. STATES SS726			148.6	17.1	97.7	0.7
CAVERNDALE FM. CF830			147.9	18.9	96.1	0.0
AGRIGOLD A-6716	141.3	146.9	144.0	19.1	91.8	0.7
GLICK SEED GH705		160.1	142.2	18.4	91.0	0.1
PIONEER BRAND 3335			141.5	17.6	85.9	0.8
CAVERNDALE FM. CF9544			139.7	17.9	84.0	0.0
NORTHROP KING N6800BT			139.6	17.0	90.1	0.0
MYCOGEN 7250			138.5	18.8	95.0	0.7
SO. CROSS SC-612	136.0	138.0	137.5	20.9	92.0	2.1
VINEYARD FC521		145.0	137.3	17.9	79.3	0.1
SO. STATES SS897			135.8	19.8	90.0	0.7
AGRATECH ATX770			113.7	19.7	90.4	0.7
MEDIUM YELLOW AVERAGE	160.8	169.6	180.9	18.6	91.9	0.3
LATE YELLOW HYBRIDS						
DEKALB DK714	182.2*	198.4*	244.5*	20.0	91.7	0.0
B73 X PA91	160.3	171.3*	209.2	22.0	92.2	0.7
MYCOGEN 8460	174.2*	177.9*	206.1	19.2	94.4	0.7
DEKALB DK743	197.4*	198.5*	199.2	20.3	95.6	0.7
SO. STATES SS943	183.0*	187.6*	184.1	21.5	88.2	0.7
CIBA SEEDS 4714	142.1	141.3	177.8	21.3	91.2	1.4
CARGILL 9027	157.5	162.5	164.9	19.7	91.5	0.0
ICI SEEDS 8220			153.4	19.8	91.5	1.4
CROW'S 702	157.4	158.1	139.6	20.4	90.7	0.1
LATE YELLOW AVERAGE	169.3	175.1	186.5	20.5	91.9	0.6
ALL YELLOW AVERAGE	162.0	170.2	179.3	18.6	91.8	0.4
WHITE HYBRIDS						
ASGROW RX943W			285.0*	19.1	82.1	0.0
AGRIGOLD A-6680W			214.1	19.4	95.6	0.6
PIONEER BRAND 3203W		178.9*	208.0	19.6	89.5	2.1
CAVERNDALE FM. CF920W	157.0	152.7	200.4	17.8	98.4	0.1
ZIMMERMAN Z72W			199.6	19.2	90.7	0.1
ASGROW RX795W	166.9	178.6*	192.7	18.4	90.0	0.7
L.G. SEEDS LG749W			181.2	20.2	97.5	0.0
ZIMMERMAN Z73W			180.5	18.0	94.1	0.0
SO. STATES SS757W	161.0	159.9	175.7	18.7	94.5	0.1
ZIMMERMAN Z64W	171.9	169.2*	172.7	22.0	92.7	0.1
ZIMMERMAN Z62W	160.0	156.1	168.0	19.2	91.3	0.7
VINEYARD V-448W		151.0	162.9	19.0	96.9	0.0
AGRIGOLD A-6535W			160.7	18.8	93.1	0.0
DEKALB DK703W	153.0	150.5	146.7	18.5	92.7	0.0
VINEYARD V-453W	144.1	145.0	123.5	20.7	92.0	0.0
WHITE AVERAGE	159.0	156.8	202.2	19.5	94.3	0.2
GRAND AVERAGE	161.6	168.9	179.9	18.6	91.9	0.4
LSD (0.10)	24.9	34.8	54.4	1.9	12.4	1.2
C.V.			18.2	6.2	8.2	214.9

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group data for six experimental hybrids were deleted because the Companies did not provide names for them.

Table 12. Hybrid Corn Performance Test 1996, Lexington, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996	
EARLY YELLOW HYBRIDS							
CALLAHAN C7557			206.5*	23.3	92.6	2.0	
CROW'S 496			205.2*	22.7	100.0	1.7	
CIBA SEEDS 5221			198.8*	23.2	94.4	1.4	
NORTHRUP KING N6423			191.1*	20.9	95.8	1.2	
DEKALB DK626		155.3	188.9	22.6	93.1	1.1	
ASGROW RX601			188.3	19.4	96.3	0.0	
COLBERT 220			187.4	22.0	93.1	2.8	
GLICK SEED GH667			182.7	22.3	98.1	1.2	
CALLAHAN C7761			173.8	23.3	90.3	1.2	
CALLAHAN C7762			171.5	22.3	94.9	1.5	
BO-JAC 415			166.6	21.8	95.8	17.4	
CIBA SEEDS 4494	138.1	138.7	161.2	23.5	99.1	4.5	
PIONEER BRAND 3394	139.1	140.9	149.6	22.9	97.2	1.4	
FR1064 X FR450	133.0	129.4	149.3	22.3	91.2	5.7	
EARLY YELLOW AVERAGE	136.7	141.1	180.1	22.3	95.1	3.1	
+MEDIUM YELLOW HYBRIDS							
NORTHRUP KING N7639BT			223.0*	25.6	92.6	0.0	
CALLAHAN C7466		186.0*	214.2*	25.8	98.1	2.9	
CARGILL 8327			207.0*	26.7	98.6	4.2	
CAVERNDAL FM. CF9544			205.8*	25.5	94.9	1.9	
TERRA SEED TR1167	168.9*	173.4*	204.7*	25.0	100.0	0.9	
TERRA SEED TR1157			203.9*	24.3	96.8	3.2	
BO-JAC 605			200.6*	24.3	99.1	7.0	
GOLDEN HARVEST H-2641		182.1*	199.0*	25.7	95.4	1.3	
AGRIGOLD A-6605			198.8*	24.4	96.8	4.5	
NORTHRUP KING N8020	163.7*	171.7*	197.7*	25.0	98.1	1.2	
L.G. SEEDS LG2726			195.6*	24.7	93.5	0.3	
CROW'S 668	167.5*	170.3*	194.7*	25.8	95.8	0.8	
CARGILL 7770			194.5*	23.5	100.0	3.6	
COLBERT 324	160.8*	173.0*	194.3*	25.4	97.2	3.3	
GLICK SEED GH705			156.3	193.6*	22.9	96.3	0.2
CROW'S 685			179.2*	193.4*	21.6	98.6	1.7
PIONEER BRAND 3310			192.3*	24.3	96.3	7.2	
GLICK SEED GH727			192.2*	22.9	99.5	4.4	
MYCOGEN 8240	163.0*	170.5*	192.2*	24.7	93.5	0.6	
ASGROW RX897			191.2*	24.6	99.1	9.5	
PIONEER BRAND 3245	155.3*	163.1	190.4*	21.8	100.0	4.1	
BO-JAC 629	163.8*	168.5*	189.7*	24.6	96.3	1.8	
NORTHRUP KING N6800			189.1	23.2	96.8	0.9	
MYCOGEN 2868	164.6*	177.6*	188.8	26.5	97.7	1.7	
ICI SEEDS 8315	160.0*	164.4	188.6	26.2	98.1	21.2	
BO-JAC 614			188.2	24.8	93.5	1.5	
ZIMMERMAN Z37			187.9	25.9	99.1	6.1	
BECK'S 6205			187.2	24.6	96.3	2.9	
ZIMMERMAN Z41		156.1	187.2	21.5	95.4	0.4	
PIONEER BRAND 3163	158.6*	168.9*	186.6	26.2	97.2	9.2	
AGRATECH ATX710			186.2	23.4	91.2	3.1	
ASGROW RX790			186.1	24.5	97.2	2.5	
DEKALB DK642			185.8	23.6	95.8	4.9	
NORTHRUP KING N6800BT			185.8	24.1	90.3	1.2	
MYCOGEN 2807	151.8	150.9	185.0	23.4	99.5	1.5	
MYCOGEN 7250			185.0	22.1	99.1	1.1	
DEKALB DK687			184.4	28.2	93.5	3.0	
AGRIGOLD A-6725			184.3	25.2	95.8	3.0	
TERRA SEED TR1154		161.5	183.8	25.6	97.7	4.0	
BECK'S 6405			183.5	23.1	99.1	11.3	
PIONEER BRAND 3279	152.6	159.8	183.3	25.3	94.9	5.0	
AGRATECH ATX770			183.1	25.6	96.3	5.0	
CIBA SEEDS 4575		157.1	182.9	24.9	98.6	1.8	
CIBA SEEDS 4545	155.0*	154.9	182.5	25.6	96.8	4.1	
ICI SEEDS N3241			182.5	23.3	94.9	3.4	
L.G. SEEDS LG2705		163.7	181.7	26.7	95.8	3.1	
GOLDEN HARVEST H-2611	141.9	150.7	181.2	23.5	95.8	2.7	
ASGROW RX771			180.6	22.4	90.7	2.2	
PIONEER BRAND 3260			180.4	25.0	90.3	0.4	
DEKALB DK706		163.8	179.0	25.5	93.5	0.2	
TERRA SEED TR1185	159.7*	160.4	178.9	25.7	96.8	2.0	
SO. STATES SS726			178.0	22.2	96.8	4.1	
PIONEER BRAND 3140	166.2*	173.5*	177.7	28.4	94.0	0.7	
SUNSTAR 4312			177.5	23.8	98.1	3.2	
PFISTER 3976		162.3	177.4	26.6	96.3	0.0	
GOLDEN HARVEST H-2622		160.3	177.2	26.7	95.8	2.2	
SO. STATES SS676			176.3	22.7	97.7	3.9	
ZIMMERMAN Z29	152.8*	158.7	176.0	26.5	97.7	4.5	

Table 12. Hybrid Corn Performance Test 1996, Lexington, KY (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
SO. CROSS SC-612	147.3	162.5	175.7	26.6	93.5	2.5
DEKALB DK658			175.4	23.0	97.2	5.4
SO. STATES SS747			175.0	23.8	87.5	1.8
BECK'S 68	146.2	158.2	174.9	24.2	94.0	2.6
AGRATECH 787	161.6*	167.5*	172.5	23.4	98.6	5.6
COLBERT 326	158.9*	159.8	172.3	26.4	93.1	9.2
CAVERNDALE FM. CF840	154.1*	157.5	171.8	23.6	98.1	2.9
CROW'S 494	154.5*	154.0	171.8	23.0	98.1	2.7
CARGILL 8328			171.5	25.0	99.1	0.2
DEKALB DK683	158.0*	156.7	171.3	28.7	91.7	1.2
SO. CROSS SC-412	152.7	155.7	171.3	24.8	88.9	0.0
NORTHRUP KING N7931			169.3	24.4	89.4	0.3
SO. STATES SS897			168.0	28.1	95.4	5.7
SO. STATES SS656		148.0	167.8	24.0	95.8	1.7
NORTHRUP-KING N7590	145.3	153.7	167.4	25.0	97.2	2.5
DEKALB DK668	155.7*	163.4	166.2	24.9	93.1	1.7
ASGROW RX919	155.6*	148.4	161.3	26.6	93.5	5.1
BECK'S 8280		161.3	161.2	25.1	93.1	14.7
VINEYARD FC521		153.6	161.2	23.5	93.1	4.5
CARGILL 7777		150.5	160.7	24.1	96.3	27.5
ICI SEEDS 8325			157.9	26.5	96.3	0.5
SO. CROSS SC-902			157.9	23.5	88.4	2.0
PFISTER 3049			157.3	23.3	96.3	2.9
SO. STATES SS827	145.0	144.6	157.0	27.5	95.8	0.6
FR27 X MO17	135.4	143.5	156.2	25.2	97.2	2.5
CAVERNDALE FM. CF830			156.0	25.0	95.4	2.7
COLBERT 279	147.8	149.8	155.1	25.5	98.1	1.8
AGRIGOLD A-6716	151.4	155.1	151.9	26.8	91.7	2.6
AGVENTURE ST9213			148.2	25.3	98.1	1.1
PIONEER BRAND 3335			145.0	23.4	92.6	12.3
MEDIUM YELLOW AVERAGE	158.5	162.9	180.3	24.8	95.5	3.7
LATE YELLOW HYBRIDS						
DEKALB DK743	156.3*	153.9	194.7*	26.6	97.2	4.9
CARGILL 9027	158.1*	156.7	180.4	27.1	93.5	4.8
CROW'S 702	165.8*	171.5*	173.8	26.9	94.4	1.0
DEKALB DK714	151.3	156.7	173.0	26.3	91.7	5.0
MYCOGEN 8460	161.7*	161.9	168.7	27.0	97.7	2.6
SO. STATES SS943	166.7*	167.3*	165.3	29.4	97.2	3.8
CIBA SEEDS 4714	150.7	144.7	162.9	31.5	96.3	1.0
B73 X PA91	144.0	140.0	157.2	28.0	94.9	7.0
ICI SEEDS 8220		154.0	154.5	27.7	97.2	2.6
LATE YELLOW AVERAGE	156.8	156.3	170.1	27.8	95.6	3.6
ALL YELLOW AVERAGE	154.4	159.2	179.5	24.7	95.5	3.6
WHITE HYBRIDS						
ZIMMERMAN Z72W			185.0	28.1	99.5	2.1
PIONEER BRAND 3203W		166.3*	180.8	27.3	93.5	3.4
ZIMMERMAN Z73W			174.9	24.7	92.1	1.7
L.G. SEEDS LG749W			171.0	23.7	95.8	0.4
DEKALB DK703W	151.4	165.5*	168.7	24.2	96.3	1.8
ZIMMERMAN Z64W	148.8	151.4	162.4	27.9	95.4	3.8
VINEYARD V-453W	153.5*	153.8	159.7	26.1	98.1	0.6
SO. STATES SS757W	139.7	146.7	158.7	24.6	93.1	2.5
ZIMMERMAN Z62W	144.6	145.9	155.9	27.6	97.7	4.1
AGRIGOLD A-6680W			154.0	25.1	98.6	0.1
CAVERNDALE FM. CF920W	139.5	137.3	153.4	23.1	90.7	1.4
VINEYARD V-448W		126.2	152.4	24.2	98.6	1.9
AGRIGOLD A-6535W			150.6	24.0	82.4	0.4
ASGROW RX943W			149.0	29.3	100.0	5.3
ASGROW RX795W	138.3	136.0	149.0	24.7	98.1	17.6
WHITE AVERAGE	145.1	147.7	161.7	25.6	95.3	3.1
GRAND AVERAGE	153.1	157.7	177.4	24.8	95.5	3.6
LSD (0.10)	16.1	21.4	33.8	2.8	4.6	7.0
C.V.			14.1	8.5	3.6	147.0

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group, data for six experimental hybrids were deleted because the Companies did not provide names for them.

Table 13. Hybrid Corn Performance Test 1996, Quicksand, KY

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
EARLY YELLOW HYBRIDS						
CALLAHAN C7761			219.0*	17.0	97.2	0.0
CALLAHAN C7762			216.3*	18.6	94.0	0.5
CROW'S 496			212.3	16.4	96.8	0.5
DEKALB DK626		158.5	209.4	16.6	92.6	0.0
PIONEER BRAND 3394	176.5	172.2	208.7	18.3	97.2	0.0
BO-JAC 415			203.5	17.6	97.7	1.9
CALLAHAN C7557			202.1	17.7	94.9	1.4
GLICK GH667			201.8	17.4	96.8	0.0
CIBA SEEDS 5221			201.2	17.7	91.2	0.0
CIBA SEEDS 4494	150.9	150.6	186.8	17.7	96.8	0.5
NORTHRUP KING N6423			185.0	17.8	93.1	0.5
COLBERT 220			183.0	17.3	94.0	0.0
ASGROW RX601			162.8	17.4	90.3	0.0
FR1064 X FR450	141.2	133.4	155.7	16.8	92.6	0.0
EARLY YELLOW AVERAGE	156.2	153.7	196.3	17.5	94.7	0.4
+MEDIUM YELLOW HYBRIDS						
PIONEER BRAND 3260			249.7*	21.6	91.2	0.0
PIONEER BRAND 3245	179.8	188.7	247.0*	18.1	94.0	1.9
BO-JAC 614			240.7*	18.1	92.1	0.0
MYCOGEN 2807	184.1	185.2	236.2*	17.1	93.5	0.0
CARGILL 8328			236.0*	19.0	91.7	0.5
ZIMMERMAN Z29	170.8	180.5	235.3*	18.3	89.8	1.0
ICI SEEDS 8315	163.4	171.1	233.7*	18.2	96.3	0.0
NORTHRUP KING N7639BT			228.8*	17.0	94.9	0.0
CROW'S 494	171.6	172.7	227.1*	17.6	91.7	0.0
COLBERT 326	175.9	178.0	226.3*	18.0	96.3	2.9
GLICK SEED GH705			225.5*	18.3	93.5	0.0
PIONEER BRAND 3163	172.6	178.8	225.4*	21.0	92.1	0.0
DEKALB DK706		185.0	225.3*	18.9	94.9	0.0
PIONEER BRAND 3140	177.8	180.0	224.7*	19.5	94.0	0.0
SO. STATES SS827	175.9	171.4	224.4*	18.9	93.5	0.5
AGRIGOLD A-6725			223.8*	20.0	94.0	0.0
NORTHRUP KING N7931			223.6*	18.3	94.0	0.0
CIBA SEEDS 4545	172.0	167.2	222.8*	17.8	94.9	0.0
BECK'S 68	167.1	165.4	222.4*	20.5	94.4	0.0
NORTHRUP-KING N7590	172.1	175.4	222.1*	16.4	90.7	0.0
COLBERT 324	171.4	171.1	220.4*	18.8	96.3	0.0
CROW'S 685		162.5	218.3*	18.0	94.4	0.0
TERRA SEED TR1154		154.7	218.2*	18.0	95.4	1.9
PIONEER BRAND 3310			218.1*	19.7	95.8	0.0
GLICK GH727			217.5*	18.3	96.3	0.0
ASGROW RX771			217.2*	18.6	94.9	0.0
AGRATECH 787	170.9	171.8	216.2*	18.9	94.4	0.5
CARGILL 8327			216.1*	19.9	94.9	0.0
PFISTER 3049			216.0*	17.1	96.3	0.0
BECK'S 6205			215.4	17.7	94.4	0.0
CARGILL 7770			213.2	17.7	95.8	0.0
BECK'S 8280		170.0	213.1	19.3	96.3	0.0
L.G. SEEDS LG2726			212.2	18.7	94.0	0.0
BO-JAC 605			210.1	17.8	96.8	0.0
PIONEER BRAND 3335			209.9	17.7	96.3	0.5
TERRA SEED TR1185	168.8	169.5	209.7	19.8	95.8	0.5
PIONEER BRAND 3279	167.4	159.6	208.3	18.0	95.4	0.0
L.G. SEEDS LG2705		159.2	208.3	18.4	91.2	0.0
CAVERDALE FM. CF840	157.7	160.5	206.9	18.4	94.4	1.0
MYCOGEN 7250			206.3	17.3	94.9	0.0
ICI SEEDS 8325			204.9	17.3	95.8	0.0
CALLAHAN C7466		154.9	204.8	19.3	94.4	0.0
PFISTER 3976		183.5	204.2	20.2	96.3	0.0
ZIMMERMAN Z37			203.7	21.4	94.4	0.0
MYCOGEN 2868	160.9	157.6	203.0	18.6	95.8	0.0
AGRATECH ATX770			202.7	18.7	93.5	0.0
DEKALB DK642			202.1	18.4	93.5	0.0
DEKALB DK683	163.6	166.9	201.0	18.1	90.3	0.5
GOLDEN HARVEST H-2611	161.6	162.7	200.7	17.0	98.6	0.0
SO. STATES SS897			199.1	21.6	96.8	0.0
MYCOGEN 8240	157.9	162.8	198.2	19.3	96.8	0.0
SO. CROSS SC-412	147.7	142.8	198.1	18.9	92.1	0.0
CAVERDALE FM. CF830			197.6	18.1	93.5	0.0
NORTHRUP KING N6800BT			197.4	18.4	97.2	0.0
CARGILL 7777		149.4	196.8	21.0	92.6	0.0
TERRA SEED TR1157			196.3	17.4	93.5	0.0
ASGROW RX919	163.4	158.1	195.8	20.7	93.5	0.0

Table 13. Hybrid Corn Performance Test 1996, Quicksand, KY (continued)

BRAND/HYBRID	YIELD BU/AC 94-96	YIELD BU/AC 95-96	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
GOLDEN HARVEST H-2622		143.4	194.9	18.7	94.9	0.0
AGRIGOLD A-6716	164.5	163.3	194.4	21.9	94.0	0.0
DEKALB DK668	149.5	153.9	193.8	18.3	96.3	0.0
SO. STATES SS656		155.2	193.4	17.9	96.3	0.5
TERRA SEED TR1167	153.0	155.5	192.7	18.6	94.0	0.0
COLBERT 279	152.0	145.6	191.5	20.4	93.5	0.0
AGRATECH ATX710			190.9	17.7	95.8	0.0
AGVENTURE ST9213			190.6	20.3	97.2	0.5
ICI SEEDS N3241			190.6	19.7	95.4	0.0
ASGROW RX790			190.4	16.6	91.7	0.0
CIBA SEEDS 4575		156.8	189.4	17.7	94.9	1.0
CROW'S 668	156.9	158.8	189.2	18.8	97.2	0.0
AGRIGOLD A-6605			188.8	19.7	93.1	0.0
CAVERNDAL FM. CF9544			188.2	17.1	91.7	0.0
DEKALB DK658			187.0	18.6	93.5	0.5
SO. STATES SS747			184.4	18.1	94.0	1.5
FR27 X MO17	162.6	161.3	184.1	18.3	96.3	2.4
VINEYARD FC521		145.7	183.7	19.3	92.1	0.0
ASGROW RX897			183.7	17.7	97.7	0.0
ZIMMERMAN Z41		152.6	181.7	19.8	97.2	0.5
BECK'S 5405			181.5	19.1	94.4	0.0
BO-JAC 629	152.4	143.1	181.2	17.8	88.4	0.0
SO. STATES SS726			180.8	17.8	93.1	0.5
NORTHRUP-KING N8020	153.5	145.7	180.7	18.5	97.2	0.0
GOLDEN HARVEST H-2641		148.7	179.5	18.4	94.4	0.0
NORTHRUP KING N6800			176.4	18.0	94.9	0.0
SO. STATES SS676			175.3	18.9	95.4	0.0
DEKALB DK687			174.5	18.3	93.5	0.5
SUNSTAR 4312			174.4	18.9	96.3	0.5
SOUTHERN CROSS SC-902			172.0	19.3	95.4	0.0
SO. CROSS SC-612	147.7	137.1	168.2	20.2	91.7	0.0
MEDIUM YELLOW AVERAGE	164.6	162.8	205.0	18.7	94.5	0.2
LATE YELLOW HYBRIDS						
SO. STATES SS943	211.4*	212.5*	241.5*	20.1	95.4	0.0
DEKALB DK743	190.7	191.1*	238.3*	20.4	96.8	0.0
CARGILL 9027	173.2	172.8	233.3*	20.0	94.9	0.5
CROW'S 702	197.3*	195.2*	231.7*	21.3	94.0	0.0
ICI SEEDS 8220		182.6	231.2*	22.1	93.1	0.0
CIBA SEEDS 4714	175.7	169.0	217.5*	21.9	95.4	1.0
MYCOGEN 8460	173.2	168.2	214.3	19.6	94.9	0.0
DEKALB DK714	178.6	175.0	212.1	22.0	92.6	0.0
B73 X PA91	162.3	165.2	196.4	19.8	94.9	0.0
LATE YELLOW AVERAGE	182.8	181.3	224.0	20.8	94.7	0.2
ALL YELLOW AVERAGE	167.4	165.0	205.4	18.7	94.5	0.3
WHITE HYBRIDS						
ZIMMERMAN Z72W			231.9*	18.9	97.2	0.0
ZIMMERMAN Z64W	179.3	175.7	227.0*	18.9	95.4	0.0
PIONEER BRAND 3203W		181.5	226.9*	19.8	96.8	0.0
CAVERNDAL FM. CF920W	167.3	167.6	223.1*	19.5	92.1	0.0
ZIMMERMAN Z62W	176.2	171.8	215.2	19.0	96.3	0.0
ASGROW RX943W			213.5	19.8	93.5	0.0
VINEYARD V-453W	140.6	149.9	210.4	19.1	93.5	0.5
AGRIGOLD A-6680W			194.9	19.7	93.5	1.0
ASGROW RX795W	148.9	146.0	192.3	20.4	96.8	1.4
ZIMMERMAN Z73W			190.6	19.0	90.3	0.0
AGRIGOLD A-6535W			189.5	19.2	91.2	0.0
SO. STATES SS757W	148.9	140.9	187.2	19.3	93.5	0.0
DEKALB DK703W	151.8	150.2	181.7	19.4	95.8	0.0
L.G. SEEDS LG749W			179.5	19.5	95.8	0.0
VINEYARD V-448W		127.5	169.9	21.0	93.5	0.5
WHITE AVERAGE	159.0	156.8	202.2	19.5	94.3	0.2
GRAND AVERAGE	166.2	163.9	205.0	18.8	94.5	0.2
LSD (0.10)	19.5	22.8	34.0	2.7	5.9	1.4
C.V.			12.3	8.5	3.6	341.6

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.

+ In the Medium group, data for six experimental hybrids were deleted because the Companies did not provide names for them.

Table 14. Annual Summary, Virus Test, Franfort, KY

BRAND/HYBRID	YIELD BU/AC 1996	AVG % MOIST 1996	AVG % STAND 1996	TOT % LODGED 1996
SO. STATES SS943	205.7*	29.3	95.8	3.9
B73 X PA91	170.3*	27.8	84.7	3.7
TERRA SEED TR1185	164.9	27.8	88.4	5.9
BO-JAC 415	162.0	26.5	70.4	6.3
AGRATECH 9250	162.0	30.0	78.7	3.6
ASGROW 465W	156.6	30.0	85.6	6.7
NORTHROP-KING N8656	154.2	28.1	83.8	2.2
CAVERNDALE 9542	146.7	28.4	82.4	2.3
ASGROW RX771	143.8	24.8	78.2	2.2
AGRATECH ATX4720	141.9	29.5	63.4	13.3
CARGILL 8936	141.3	25.8	90.7	5.0
MYCOGEN 8460	141.0	30.2	82.9	5.4
BO-JAC 605	140.8	26.2	91.7	4.5
AGRATECH ATX888	140.2	27.7	90.7	2.5
DEKALB DK683	140.0	29.1	79.2	2.1
SO. STATES SS897	137.9	28.9	75.9	4.0
BECK'S 87MDM	133.2	30.5	78.7	2.9
PIONEER BRAND 3310	133.0	29.2	69.4	8.4
PIONEER BRAND 3130	129.9	27.6	88.0	4.5
CROW'S 702	126.8	31.6	82.4	6.6
SO. CROSS SC-912	126.5	27.4	79.2	7.0
DEKALB DK687	122.8	27.7	75.9	2.5
BO-JAC 629	122.0	26.4	81.0	2.3
BO-JAC 614	122.0	27.0	77.3	2.3
PIONEER BRAND 3156	118.7	28.1	73.1	4.7
DEKALB DK743	116.9	28.8	83.3	4.7
ASGROW RX843	114.9	23.9	83.3	6.2
FR1064 X FR450	105.2	26.6	83.8	2.7
GRAND AVERAGE	140.0	28.0	81.4	4.6
LSD (0.10)	39.0	2.3	19.1	5.9
C.V.	20.4	6.0	17.2	93.5

* In any yield column, a hybrid mean followed by an asterisk does not differ significantly (less than or equal to one LSD) from the highest yielding hybrid in that column.



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