

1994 Kentucky Hybrid Corn Performance Test

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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 1994 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 1995. 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 to the right shows the location for each test. The non-virus test sites were selected to represent different agroclimatic areas of the state where corn is a major commodity. The Frankfort virus evaluation site was lost for 1994. We were unable to find a replacement site so the test was planted at Lexington even though no virus infection could be anticipated.

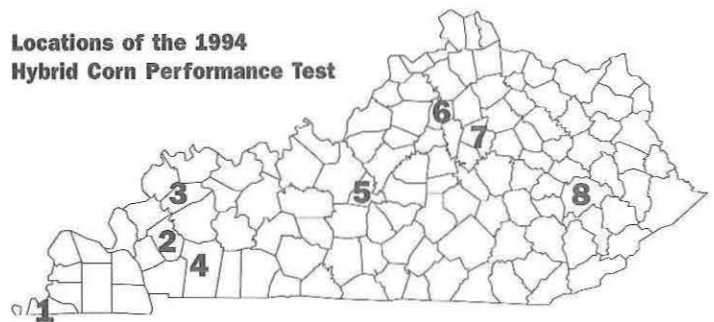
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Cultural Practices

The test location at Hodgenville was planted no-till. The tests at Hopkinsville and Quicksand 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. The test at Hodgenville was planted in soybean residue using recommended no-tillage practices. 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 root-worms. The virus test received no insecticide. Table 3 shows the specific cultural treatment for each location.

Locations of the 1994 Hybrid Corn Performance Test



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 7 x 7 lattice design was used at the virus location.

Small differences in yield are usually of little importance. The yield of two varieties at a single location may differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture) even though the inherent yielding ability is the same. To decide if an observed yield difference is real, use the LSD (least significant difference) provided at the bottom of the tables. If the difference in yield is greater than the LSD value, you may be reasonably certain that the entries actually do differ in yield ability. "N.S." in the tables indicates that no statistically significant differences were determined. The LSD is calculated for an alpha level of 0.10. For your convenience, an asterisk has been placed alongside those yield means that are not significantly different from the highest yield mean in that column. This comparison means that those means followed by an asterisk do not differ by more than one LSD.

Planting

All plots were planted with a two-row, no-till planter modified for small plot work. The planter boxes were replaced by special planting cones which allowed planting of a specified number of kernels per plot. Each plot consisted of two rows 36 inches apart and 22 feet long. Each conventional tillage test was planted at the rate of 23,760 kernels per acre. The no-till test at Hodgenville was planted at a rate of 25,740 kernels per acre. Final stands were expected to be between 20,000 and 22,000 plants per acre if average stand losses occurred.

Harvesting

All plots were harvested with a modified two-row self-propelled corn combine. Both rows of each two-row plot were picked and shelled. The grain weight and moisture content of each plot was measured with an electronic scale and moisture meter mounted on the combine. Data from each test location was temporarily stored in a portable data logging device prior to transfer to a computer at Lexington. Yields were calculated and adjusted to 15.5% moisture. Dropped ears were not gleaned from the plots. The total number of plants and lodged plants were recorded immediately prior to harvest.

Corn Virus

Two corn virus diseases occur in Kentucky: maize dwarf mosaic virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in johnsongrass and are usually present as a virus complex. The virus test was planted with 47 nominated hybrids and two check hybrids to evaluate the hybrids under no pressure conditions, since we were unable to find a new site after losing the site of last year. Virus symptoms were present on some isolated johnsongrass plants along the edge of the plot area. However, no symptoms were present in the test.

Gray Leaf Spot

Data on the severity of gray leaf spot were collected on two dates at the Hopkinsville test location by Dr. P. Vincelli. On each date, the percentage of blighting due to gray leaf spot was estimated visually on the ear leaf on five randomly selected plants in each plot.

Gray leaf spot developed late in the season and was likely not a significant determinant of yield for most hybrids tested. However, these data provide some indication of relative susceptibility to gray leaf spot and may be useful in selecting hybrids for sites where gray leaf pressure is heavy, particularly fields under no-till continuous corn production. Several years of gray leaf spot ratings should be examined before selecting a hybrid with partial resistance to the disease, since hybrid reactions vary under different environmental conditions.

Maturity Comparisons

Three open-pedigree hybrids (FR618 X FR600, FR27 X Mo17, and FR27 X Pa91) were included in each non-virus test to provide an internal evaluation of hybrid maturity. The seed of these hybrids was obtained from Illinois Foundation Seeds, Inc., at Champaign, IL, who rated the relative maturities of these hybrids for Kentucky, as Early-, Mid-, and Late-Season, respectively. The relative maturity ratings were quite appropriate since the harvest moistures of the hybrids, when averaged across all non-virus locations (Table 4), were 17.7% for FR618 X FR600, 18.8% for FR27 X Mo17, and 20.6% for FR27 X Pa91. Harvest maturity of other hybrids in the test can be judged by comparison of harvest moisture relative to these checks and other hybrids of known maturity for your area of production.

The yellow endosperm hybrids are separated into three maturity groups in each table. Groups were determined from the 1994 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 1994 average harvest moisture of 18.4% or less. The upper limit of this group was determined as the moisture percentage of the early maturity hybrid FR618 X FR600 plus one LSD unit ($17.7\% + 0.7\% = 18.4\%$). Hybrids in this group were rated from 106 to 113 days maturity by the parent seed companies.

The medium maturity group of yellow hybrids includes all hybrids with a 1994 average harvest moisture equal to or greater than 18.5% but lower than 19.9%. These limits are delineated by the upper limit of the early maturity hybrid group and the lower limit of the late maturity hybrid group. Hybrids in the medium maturity group were rated from 111 to 121 days maturity by the parent seed companies.

The lower limit of the late maturity hybrid group, 19.9%, was calculated as the moisture content of FR27 X Pa91 minus one LSD unit ($20.6\% - 0.7\% = 19.9\%$). Hybrids in this group were rated from 114 to 125 days maturity by the parent seed companies.

These groupings are subjective but provide an evaluation of hybrid maturity. Other post-harvest groupings may be equally as useful. The harvest moisture or relative maturity rating of a hybrid was not used to block hybrids in the field experiment.

Notes About the Growing Season

Hickman (*Fulton County*)

The Hickman test was planted on May 18 and checked for seedling emergence on June 18. Plant populations and early weed control were good. There were heavy infestations of late grasses in alleyways which were sprayed with Roundup on August 16. Leaf rust appeared in late July and was severe by August 16. The rust infections may have reduced yields. Lodging was caused by Southwestern corn borer infestation. The test suffered from lack of rainfall during the growing season.

Princeton (*Ky. Agr. Exp. Sta., Research and Education Center*)

The Princeton test was planted on May 12. Seedlings were beginning to emerge on May 19. Weed control was fair but there were scattered infestations of johnsongrass, especially in the alleyways. There appeared to be no disease problems, however, European and Southwestern corn borers caused some lodging.

Dixon (*Clay*) (*Webster County*)

The Clay test was planted on May 11. Seedling emergence and weed control were good on June 9. Alleyways were sprayed on August 16 to control late season grasses. There was some European corn borer damage, which caused a few dropped ears. There were no apparent disease problems.

Hopkinsville (*Christian County*)

The Hopkinsville test was planted on April 20. Seedling emergence and weed control were good when checked on May 26. The alleyways were sprayed with Beacon and Banvel on June 15. The test hybrids were fully pollinated on July 10. There were no apparent insect problems present at harvest. Gray Leaf Spot ratings were taken by Dr. Paul Vincelli of the University of Kentucky Plant Pathology Department.

Hodgenville (*Larue County*)

The Hodgenville test was planted no-till in soybean crop residue on May 13. Heavy rainfall on May 14 and 15 caused soil compaction and poor seedling emergence. Weed control was good except for some late season vines. There was no apparent disease problems. Japanese beetles were present during late-July. The lack of rainfall early in the growing season, may have reduced yields.

Lexington (*Ky. Agr. Exp. Sta., Spindletop Research Farm*)

The Lexington test was planted on May 10. Seedling emergence and weed control were good. Late season grasses in alleyways were sprayed with Roundup. There were no disease problems but there were some Japanese beetles present along the borders of the test. This test suffered from lack of timely rainfall during the growing season.

Quicksand (*Ky. Agr. Exp. Sta., Robinson Substation*)

The Quicksand test was planted on May 20. Early season weed control and seedling emergence were good for most plots. The alleyways were sprayed to control johnsongrass and other missed weeds and grasses. Bur cucumber vines and cocklebur were present in the test at harvest. There were no apparent insect problems.

Frankfort (*Franklin County*)

The Frankfort virus evaluation test site was not available for the 1994 growing season and we were unable to find a suitable replacement site. The test was planted on May 31 at Lexington to obtain yield data. Alleyways were sprayed with Roundup to control late season grasses. There were no insect or disease problems.

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.

Acknowledgements

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Donnie Davis, Superintendent, Research and Education Center, Princeton

Mason Morrison, Superintendent, Robinson Substation, Quicksand

Mike Crisel, Extension Agent, Hickman

Curtis Judy, Extension Agent, Hopkinsville

Roger Sparrow, Extension Agent, Frankfort

Phil Gillespie, Extension Agent, Dixon

David Harrison, Extension Agent, Hodgenville

Table 1. Precipitation at Test Locations, 1994

Month	Days	Location						
		Hickman	Princeton	Hopkinsville	Dixon-Clay	Hodgenville	Lexington	Quicksand
April	1-8	--	1.32	--	--	--	1.13	1.22
	9-16	--	1.98	--	--	--	2.72	2.98
	17-24	--	0.01	-- *	--	--	0.09	--
	25-30	--	2.19	1.00	--	--	2.10	1.64
	Total	0.00	5.50	1.00	0.00	0.00	6.04	5.84
May	1-8	--	0.48	0.68	--	--	2.32	2.26
	9-16	--	0.34*	--	0.15*	1.90*	1.30*	0.19
	17-24	-- *	--	1.49	--	--	--	-- *
	25-31	0.42	0.02	--	0.16	0.20	0.44***	0.51
	Total	0.42	0.84	2.17	0.31	2.10	4.06	2.96
June	1-8	1.10	0.43	1.71	0.48	--	0.25	0.77
	9-16	0.18	0.07	0.18	1.14	--	0.12	1.58
	17-24	0.68	1.12	1.10	0.17	--	0.24	0.60
	25-30	1.50	2.59	3.65	1.46	0.60	1.42	1.41
	Total	3.46	4.21	6.64	3.25	0.60	2.03	4.36
July	1-8	2.00	2.23	--	--	--	0.01	0.05
	9-16	2.67	0.37	0.85	0.75	3.50	0.35	2.80
	17-24	0.75	0.45	0.30	--	0.80	0.91	0.28
	25-31	0.99	0.84	1.04	0.57	--	1.38	0.45
	Total	6.41	3.89	2.19	1.32	4.30	2.65	3.58
August	1-8	0.42	0.61	--	--	1.60	0.75	2.61
	9-16	0.20	0.11	1.45	2.14	--	0.28	0.38
	17-24	0.45	0.24	--	--	0.80	3.95	1.56
	25-31	1.12	0.73	--	0.81	2.30	0.88	0.46
	Total	2.19	1.69	1.45	2.95	4.70	5.86	5.01
Sept.	1-8	1.50	0.16	1.40	1.18	0.10	0.75	0.36
	9-16	4.00	--	--	--	0.20	--	--
	17-24	--	1.37	-- **	--	0.60	0.32	0.93
	25-30	-- **	0.76**	--	1.77	1.00	0.36	1.79
	Total	5.50	2.29	1.40	2.95	1.90	1.43	3.08
Grand Total		17.98	18.42	14.85	10.78	14.20	22.07	24.83

* Planted. ** Harvested in September, all others harvested in October. *** Virus test planted.

Table 2. Hybrids Tested in 1994

	Hybrid	Test*	Color	Cross**	Source
Adler's	6130	A	Yellow	2X	Adler Seeds, Inc. Route 1 Sharpesville, IN 46068
	6140	A	Yellow	2X	
	7850	A	Yellow	2X	
AgraTech	757	A	Yellow	2X	AgraTech Seed Research P.O. Box 644 Atlanta, GA 31714
	787	A	Yellow	2X	
	810	A	Yellow	2X	
	888	B	Yellow	2X	
	967	B	Yellow	2X	
	9250	B	Yellow	2X	
AgriGold	A-6470	A	Yellow	2X	Akin Seed Company Route 1 St. Francesville, IL 62460
	A-6690	A	Yellow	2X	
	A-6716	A	Yellow	2X	
	A-6565W	A	White	2X	
	A-6796W	B	White	2X	
Asgrow	RX770	A	Yellow	2X	Asgrow Seed Company P.O. Box 7570 Des Moines, IA 50322
	RX907	A	Yellow	2X	
	RX919	AB	Yellow	2X	
	RX923	AB	Yellow	2X	
	RX795W	A	White	2X	
	XP7583	B	Yellow	2X	
	XP8383	B	Yellow	2X	
	XP9380	B	Yellow	2X	
B. F. Seeds	BF 3356	A	Yellow	2X	B. F. Seeds R.R. 3, Box 135A Portland, IN 47371
	BF 3359A	A	Yellow	2X	
	BF 3397	A	Yellow	2X	
Beachley-Hardy	BH 4776	AB	Yellow	2X	Beachley-Hardy Seed Co. 454 Railroad Ave. Shiremans-town, PA 17011
	HT 7728	A	Yellow	2X	
	HT 7748	A	Yellow	2X	
Beck's (Ex 1614)	68	A	Yellow	2X	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031
	72	A	Yellow	2X	
	8808	A	Yellow	2X	
	7101	A	Yellow	2X	
	85MDM	B	Yellow	2X	
	87MDM	B	Yellow	2X	
EXP 1755	B	Yellow	2X		
Bo-Jac	629	AB	Yellow	2X	Bo-Jac Hybrid Corn Company R. R. #2 Mount Pulaski, IL 62548
	925	A	Yellow	2X	
	577	AB	Yellow	2X	
	615	AB	Yellow	2X	
Cargill	8327	A	Yellow	2X	Cargill Seeds P.O. Box 9480 Minneapolis, MN 55440
	9027	A	Yellow	2X	
	8936	B	Yellow	2X	
Caverndale Farms	CF950A	A	Yellow	2X	Caverndale Farms Route 2 Darville, KY 40422
	CF953	A	Yellow	2X	
	CF920W	A	White	2X	
	CF9314	A	Yellow	2X	
	CF9418	A	Yellow	2X	
	CF900	B	Yellow	2X	
	CF8905	B	Yellow	2X	
CIBA Seeds	4494	A	Yellow	2X	CIBA Seeds Division P.O. Box 18300 Greensboro, NC 27419
	4581	A	Yellow	2X	
	4671	AB	Yellow	2X	
	4680	B	Yellow	2X	
	4714	A	Yellow	2X	
	4652W	A	White	2X	
	5175X	A	Yellow	2X	
	7074X	B	Yellow	2X	
Colbert	230	A	Yellow	2X	Colbert Farms R. R. #2 Washington, IN 47501
	279	A	Yellow	2X	
	324	A	Yellow	2X	
	326	A	Yellow	2X	
Crow's	494	A	Yellow	2X	Crow's Hybrid Corn Company Box 306 Milford, IL 60953
	510	A	Yellow	2X	
	667	A	Yellow	2X	
	668	A	Yellow	2X	
	702	AB	Yellow	2X	
DeKalb	DK646	A	Yellow	2X	DEKALB Genetics Corp. 3100 Sycamore Road DeKalb, IL 60115
	DK668	A	Yellow	2X	
	DK683	AB	Yellow	2X	
	DK689	B	Yellow	2X	
	DK714	A	Yellow	2X	
	DK743	AB	Yellow	2X	
	DK703W	A	White	2X	
Glick Seed	GH752	A	Yellow	2X	Glick Seed Service 16801 E-100N Hartsville, IN 47224
	GH801	A	Yellow	2X	
Golden Harvest	H2530	AB	Yellow	2X	Thorp Seed Company R.R. 3, Box 257 Clinton, IL 61727
	H2611	AB	Yellow	2X	
Gutwein	2753	A	Yellow	2X	Fred Gutwein & Sons, Inc. Route 1, Box 40 Francisville, IN 47946
	2810	A	Yellow	2X	

Table 2. Hybrids Tested in 1994 (continued)

	Hybrid	Test*	Color	Cross**	Source
ICI Seeds	8100	A	Yellow	2X	ICI Seeds, Inc. 6495 Vista Dr. West Des Moines, IA 50266
	8281	A	Yellow	2X	
	8315	A	Yellow	2X	
	N8340	A	Yellow	2X	
	SB 1860	B	Yellow	2X	
	8220	B	Yellow	2X	
Lynks Seed	2759	A	Yellow	2X	Lynks Seeds P.O. Box 637 Marshalltown, IA 50158
	2802W	A	White	2X	
	2807	A	Yellow	2X	
	2868	A	Yellow	2X	
Mycogen	AG 7935	AB	Yellow	2X	Mycogen Plant Sciences 624 27th Street Lubbock, TX 79404
	8240	A	Yellow	2X	
	9220	A	Yellow	2X	
	(Ex 4920) 8460	AB	Yellow	2X	
	EXP 4930	B	Yellow	2X	
Northrup King	N6330	A	Yellow	2X	Northrup-King & Company P.O. Box 959 Minneapolis, MN 55440
	N7989	A	Yellow	2X	
	N7992	A	Yellow	2X	
	N8020	A	Yellow	2X	
	(X7782) N8727	A	Yellow	2X	
	N7590	A	Yellow	2X	
	N8656	B	Yellow	2X	
Pfister Hybrids	X3350 VR	B	Yellow	2X	Pfister Hybrid Corn Co. P.O. Box 187 El Paso, IL 61738
Pioneer Brand	3140	A	Yellow	2X	Pioneer Hi-Bred Int'l. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806
	3154	B	Yellow	2X	
	3156	AB	Yellow	2X	
	3163	A	Yellow	2X	
	3165	A	Yellow	2X	
	3167	A	Yellow	2X	
	3245	A	Yellow	2X	
	3279	A	Yellow	2X	
	3394	A	Yellow	2X	
	3281W	A	White	2X	
	X1183F	B	Yellow	2X	
Prairie Stream	SX556	A	Yellow	2X	Prairie Stream Farms Route 3, Box 333 Frankfort, IN 46041
	SX752	A	Yellow	2X	
Southern Cross	SC412	A	Yellow	2X	Miles Seed 2760 Keller Rd. Owensboro, KY 42301
	SC612	A	Yellow	2X	
	SC902	A	Yellow	2X	
	SC912	B	Yellow	2X	
Southern States	SS682	A	Yellow	2X	Southern States Coop., Inc. P.O. Box 26234 Richmond, VA 23260
	SS757W	A	White	2X	
	SS883A	AB	Yellow	2X	
	SS943	AB	Yellow	2X	
	XP54003	A	Yellow	2X	
	(XP54005) SS827	A	Yellow	2X	
	XP74184W	A	White	2X	
Stewart Hybrids	S-9213	A	Yellow	2X	Stewart Hybrids Inc. Route 1, Box 8 Princeville, IL 61559
	S-9414	A	Yellow	2X	
	S-9451L	A	Yellow	2X	
Terra Seed (700E)	E 1168	A	Yellow	2X	Terra International, Inc. 600 Fourth Street Sioux City, IA 51101
	TR 1167	A	Yellow	2X	
	TR 1185	AB	Yellow	2X	
	TR 641E	B	Yellow	2X	
Vigoro	1122	A	Yellow	2X	Vigoro Industries P.O. Box 156 Jefferson, GA 30549
	1184	AB	Yellow	2X	
	1204	AB	Yellow	2X	
Vineyard	V-449W	A	White	2X	Vineyard Seed Co., Inc. P.O. Box 139 Sidney, IL 61877
	V-453W	A	White	2X	
	V-58W	A	White	2X	
	V-472W	B	White	2X	
Voris Seeds	BT 7530	A	Yellow	2X	Voris Seeds, Inc. P.O. Box 457 Windfall, IN 46076
	BT 7740	A	Yellow	2X	
	EX 118-94	A	Yellow	2X	
	EX 120-94	B	Yellow	2X	
	Scott S-5263	A	Yellow	2X	
Zimmerman	Z21	A	Yellow	2X	Zimmerman Hybrids, Inc. 5147 W. Franklin Rd. Evansville, IN 47712
	Z27	A	Yellow	2X	
	Z29	A	Yellow	2X	
	Z62W	A	White	2X	
	Z63W	A	White	2X	
	Z64W	A	White	2X	
DowElanco	XHP17193	A	Yellow	2X	DowElanco c/o Lynks Seeds 1562 Taylor Road Marshalltown, IA 50158
	XHP17194	A	Yellow	2X	
	XHP18069	A	Yellow	2X	
	XHP18070	A	Yellow	2X	
	XHP18071	A	Yellow	2X	
K.A.E.S.	FR618xFR600	A	Yellow	2X	Illinois Found. Seeds, Inc. P.O. Box 722 Champaign, IL 61820
	FR27xMo17	A	Yellow	2X	
	FR27xPa91	A	Yellow	2X	

* A = Performance Test, B = Virus Test

** 2X = Single Cross, 3X = Threeway Cross, 2X(Mod) = Modified Single Cross

Table 3. Agronomic Information Pertaining to 1994 Test Locations

Location and Cooperator	Soil Type	Fertilizer Lb/Ac	Herbicide	Insecticide	Planting Dates	Harvest Dates	Comments
1) Hickman, KY Major's Farm Route 1	Calloway Silt Loam	N -177 P ₂ O ₅ -69 K ₂ O -120	Bicep	Force 1.5G	May 18	Sept.28 & 29	Leaf Rust & Southwestern Corn Borer
2) Princeton, KY Western Kentucky Res. & Ed. Center	Huntington & Lindsie Silt Loam	N - 150 P ₂ O ₅ --0 K ₂ O 100	Sutan + & Bullet	Force 1.5G	May 12	Sept. 29 & 30	
3) Clay, KY Mitchell Brothers	Belnap Silt Loam	N - 193 P ₂ O ₅ -46 K ₂ O -90	Bicep & Aatrex	Force 1.5G	May 11	Oct. 4	
4) Hopkinsville, KY Gary Lester Farm	Crider Silt Loam	N - 188 P ₂ O ₅ -30 K ₂ O --0	Bicep & Gramoxone	Force 1.5G	April 20	Sept 21	Minimum-Till Corn Residue
5) Hodgenville, KY George Pickeral	Elk Silt Loam	N - 175 P ₂ O ₅ ---0 K ₂ O ---0	Aatrex-Prin- cep, 2,4-D, & Roundup	Force 1.5G	May 13	Oct. 6	No-Till Soybean Residue
6) Lexington, KY (Virus Test)	Lanton Silt Loam	N - 150 P ₂ O ₅ - 0 K ₂ O -100	Sutan+ & Bullet	None	May 31	Nov. 3	No Virus Pressure
7) Lexington, KY K.A.E.S. Spindletop Farm	Lanton Silt Loam	N - 150 P ₂ O ₅ - 0 K ₂ O -100	Sutan+ & Bullet	Force 1.5G	May 10	Oct. 12	
8) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N - 160 P ₂ O ₅ 100 K ₂ O -100	Bullet	Force 1.5G	May 20	Oct. 26	Minimum-Till Corn Residue

Table 2. Hybrids Tested in 1994 (continued)

	Hybrid	Test*	Color	Cross**	Source
ICI Seeds	8100	A	Yellow	2X	ICI Seeds, Inc. 6495 Vista Dr. West Des Moines, IA 50266
	8281	A	Yellow	2X	
	8315	A	Yellow	2X	
	N8340	A	Yellow	2X	
	SB 1860	B	Yellow	2X	
	8220	B	Yellow	2X	
Lynks Seed	2759	A	Yellow	2X	Lynks Seeds P.O. Box 637 Marshalltown, IA 50158
	2802W	A	White	2X	
	2807	A	Yellow	2X	
	2868	A	Yellow	2X	
Mycogen	AG 7935	AB	Yellow	2X	Mycogen Plant Sciences 624 27th Street Lubbock, TX 79404
	8240	A	Yellow	2X	
	9220	A	Yellow	2X	
	(Ex 4920) 8460	AB	Yellow	2X	
	EXP 4930	B	Yellow	2X	
Northrup King	N6330	A	Yellow	2X	Northrup-King & Company P.O. Box 959 Minneapolis, MN 55440
	N7989	A	Yellow	2X	
	N7992	A	Yellow	2X	
	N8020	A	Yellow	2X	
	(X7782) N8727	A	Yellow	2X	
	N7590	A	Yellow	2X	
	N8656	B	Yellow	2X	
Pfister Hybrids	X3350 VR	B	Yellow	2X	Pfister Hybrid Corn Co. P.O. Box 187 El Paso, IL 61738
Pioneer Brand	3140	A	Yellow	2X	Pioneer Hi-Bred Int'l. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806
	3154	B	Yellow	2X	
	3156	AB	Yellow	2X	
	3163	A	Yellow	2X	
	3165	A	Yellow	2X	
	3167	A	Yellow	2X	
	3245	A	Yellow	2X	
	3279	A	Yellow	2X	
	3394	A	Yellow	2X	
	3281W	A	White	2X	
	X1183F	B	Yellow	2X	
Prairie Stream	SX556	A	Yellow	2X	Prairie Stream Farms Route 3, Box 333 Frankfort, IN 46041
	SX752	A	Yellow	2X	
Southern Cross	SC412	A	Yellow	2X	Miles Seed 2760 Keller Rd. Owensboro, KY 42301
	SC612	A	Yellow	2X	
	SC902	A	Yellow	2X	
	SC912	B	Yellow	2X	
Southern States	SS682	A	Yellow	2X	Southern States Coop., Inc. P.O. Box 26234 Richmond, VA 23260
	SS757W	A	White	2X	
	SS883A	AB	Yellow	2X	
	SS943	AB	Yellow	2X	
	XP54003	A	Yellow	2X	
	(XP54005) SS827	A	Yellow	2X	
	XP74184W	A	White	2X	
Stewart Hybrids	S-9213	A	Yellow	2X	Stewart Hybrids Inc. Route 1, Box 8 Princeville, IL 61559
	S-9414	A	Yellow	2X	
	S-9451L	A	Yellow	2X	
Terra Seed (700E)	E 1168	A	Yellow	2X	Terra International, Inc. 600 Fourth Street Sioux City, IA 51101
	TR 1167	A	Yellow	2X	
	TR 1185	AB	Yellow	2X	
	TR 641E	B	Yellow	2X	
Vigoro	1122	A	Yellow	2X	Vigoro Industries P.O. Box 156 Jefferson, GA 30549
	1184	AB	Yellow	2X	
	1204	AB	Yellow	2X	
Vineyard	V-449W	A	White	2X	Vineyard Seed Co., Inc. P.O. Box 139 Sidney, IL 61877
	V-453W	A	White	2X	
	V-58W	A	White	2X	
	V-472W	B	White	2X	
Voris Seeds	BT 7530	A	Yellow	2X	Voris Seeds, Inc. P.O. Box 457 Windfall, IN 46076
	BT 7740	A	Yellow	2X	
	EX 118-94	A	Yellow	2X	
	EX 120-94	B	Yellow	2X	
	Scott S-5263	A	Yellow	2X	
Zimmerman	Z21	A	Yellow	2X	Zimmerman Hybrids, Inc. 5147 W. Franklin Rd. Evansville, IN 47712
	Z27	A	Yellow	2X	
	Z29	A	Yellow	2X	
	Z62W	A	White	2X	
	Z63W	A	White	2X	
	Z64W	A	White	2X	
DowElanco	XHP17193	A	Yellow	2X	DowElanco c/o Lynks Seeds 1562 Taylor Road Marshalltown, IA 50158
	XHP17194	A	Yellow	2X	
	XHP18069	A	Yellow	2X	
	XHP18070	A	Yellow	2X	
	XHP18071	A	Yellow	2X	
K.A.E.S.	FR618xFR600	A	Yellow	2X	Illinois Found. Seeds, Inc. P.O. Box 722 Champaign, IL 61820
	FR27xMo17	A	Yellow	2X	
	FR27xPa91	A	Yellow	2X	

* A = Performance Test, B = Virus Test

** 2X = Single Cross, 3X = Threeway Cross, 2X(Mod) = Modified Single Cross

Table 4. Annual Summary, 1994, All Non-Virus Locations

BRAND/HYBRID	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS (17.6 - 18.4%)				
LYNK'S SEEDS 2807	167.7	18.0	89.7	2.7
CROW'S 494	159.0	18.0	92.7	6.5
GOLDEN HARVEST H2611	155.8	18.4	88.1	4.2
ASGROW RX770	154.8	18.1	90.3	5.8
PIONEER BRAND 3394	154.4	18.0	89.5	4.1
ADLER'S 6140	152.3	18.0	87.7	3.7
NORTHROP-KING N7590	151.6	18.2	86.5	7.5
BO-JAC 577	151.4	18.4	88.4	2.5
BEACHLEY-HARDY BH 4776	150.0	18.4	88.7	3.4
CIBA SEEDS 4494	149.8	17.7	89.9	5.0
FR618 X FR600	147.5	17.7	89.1	5.6
SO. CROSS SC-902	145.9	18.4	87.7	2.2
SO. STATES SS682	143.8	18.3	87.0	6.5
VIGORO 1122	143.0	17.7	86.1	6.3
NORTHROP KING N6330	138.8	17.9	84.7	8.4
GOLDEN HARVEST H2530	136.7	17.6	88.4	4.4
LYNK'S SEEDS 2759	121.3	18.0	89.6	1.7
DOWELANCO XHP17193	117.3	18.2	85.2	2.4
EARLY YELLOW AVERAGE	146.7	18.0	88.3	4.6
MEDIUM YELLOW HYBRIDS (18.5 - 19.8%)				
PIONEER BRAND 3140	170.2*	19.6	86.0	6.8
ASGROW RX923	169.2*	19.1	91.9	8.0
PIONEER BRAND 3279	166.9	18.7	90.6	3.5
VIGORO 1204	165.0	19.8	88.8	1.3
ASGROW RX919	164.1	19.3	90.5	5.8
ZIMMERMAN Z27	163.5	19.8	88.7	4.1
CARGILL 9027	162.4	19.7	87.1	2.9
AGRATECH 787	161.6	19.6	88.7	3.9
NORTHROP-KING N7992	159.9	19.5	87.1	7.0
CIBA SEEDS 5175X	159.8	19.3	86.0	1.7
CROW'S 668	159.0	19.6	87.1	2.1
PIONEER BRAND 3245	158.5	18.9	91.8	4.5
TERRA SEED E 1168	158.2	19.5	86.6	3.9
BO-JAC 629	158.0	19.1	88.5	2.4
COLBERT 279	157.9	19.3	89.3	4.6
TERRA SEED TR1167	157.8	19.7	89.8	1.5
ZIMMERMAN Z29	157.2	19.7	88.9	5.4
DEKALB DK683	157.0	19.8	84.1	3.0
NORTHROP-KING N8020	156.6	19.5	89.0	2.4
SO. CROSS SC-612	156.3	19.6	87.2	1.6
DEKALB DK646	155.6	18.7	90.5	3.7
AGRIGOLD A-6716	155.4	19.8	87.1	1.5
SO. STATES XP54003	154.5	19.2	88.8	3.5
GLICK SEED GH752	154.5	19.2	87.3	2.1
FR27 X MO17	154.5	18.8	88.5	6.2
BEACHLEY-HARDY HT 7748	154.1	19.6	86.2	3.0
ASGROW RX907	154.0	19.5	86.4	7.5
ICI SEEDS 8281	153.7	19.0	90.4	4.8
ADLERS 6130	153.3	18.8	87.0	2.8
BECK'S 68	153.1	18.9	88.1	2.4
PIONEER BRAND 3163	152.8	18.9	87.8	8.5
MYCOGEN 8240	152.3	19.3	87.1	1.7
PRAIRIE STREAM SX556	151.9	19.2	87.3	1.7
BO-JAC 615	151.2	19.4	88.3	4.5
CROW'S 510	150.0	18.6	89.0	2.8
COLBERT 230	150.0	18.5	89.3	3.9
ICI SEEDS N8340	149.9	18.6	86.2	1.8
BO-JAC 925	148.9	19.5	88.0	1.8
GUTWEIN 2810	148.7	19.3	89.7	3.1
STEWART HYBRIDS S-94SI	148.2	19.8	95.5	2.4
ADLERS 7850	147.7	19.6	87.4	1.6
AGRIGOLD A-6470	147.7	18.6	87.4	4.1
CROW'S 667	147.5	19.0	85.5	4.5
GLICK SEED GH801	146.9	19.7	87.4	1.8
BECK'S 72X	146.7	18.7	86.0	5.2
BECK'S 7101	146.3	18.9	85.8	3.3
SCOTT SEED S5263	145.3	19.3	84.1	4.5
CARVENDALE FM. CF 950A	144.7	19.1	84.0	4.0
VORIS BT 7740	144.5	18.5	86.1	2.6
STEWART HYBRIDS S-9414	140.1	19.0	86.9	2.4
DOWELANCO XHP17194	137.6	19.5	87.3	2.8
MEDIUM YELLOW AVERAGE	154.1	19.2	87.9	3.6

Table 4. Annual Summary, 1994, All Non-Virus Locations (continued)

BRAND/HYBRID	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS (19.9 - 22.6%)				
DEKALB DK743	178.3*	21.5	87.4	4.4
PIONEER BRAND 3165	176.5*	20.2	92.2	6.9
SO. STATES SS943	175.8*	20.8	87.7	1.5
PIONEER BRAND 3167	170.4*	21.6	94.3	3.2
SO. STATES SS827	168.2	20.3	88.8	2.2
MYCOGEN 8460	167.6	20.8	88.3	5.2
CROW'S 702	164.8	21.0	89.0	2.9
CIBA SEEDS 4714	164.7	21.2	88.6	4.2
COLBERT 326	163.8	20.1	87.4	4.5
CIBA SEEDS 4671	163.2	20.4	86.9	5.3
B.F. SEEDS BF 3397	162.8	22.3	88.4	4.2
BEACHLEY-HARDY HT 7728	162.5	20.0	87.2	4.2
DEKALB DK714	162.5	20.3	88.2	3.5
AGRATECH 810	162.4	20.0	88.6	2.6
SO. STATES SS883A	162.1	20.1	90.5	2.7
AGRATECH 757	161.2	20.0	89.1	3.7
ICI SEEDS 8315	161.1	20.6	87.3	7.5
ICI SEEDS 8100	160.0	22.6	91.2	2.1
CAVERNDAL FM. CF 9418	159.9	20.8	85.8	7.7
VORIS EX 118-94	159.7	20.2	88.8	3.7
COLBERT 324	158.7	20.4	89.5	4.3
NORTHRUP KING N8727	158.1	20.1	87.8	2.0
TERRA SEED TR1185	157.6	20.2	86.9	10.4
FR27 X PA91	157.1	20.6	87.0	7.5
BECK'S 8808	156.7	20.1	88.4	3.6
B.F. SEEDS BF 3359A	156.2	20.3	89.5	3.8
LYNK'S SEEDS 2868	155.8	20.1	91.5	2.3
ZIMMERMAN Z21	154.4	20.7	89.6	3.1
CAVERNDAL FM. CF 9314	153.7	19.9	88.0	6.1
NORTHRUP KING N7989	152.0	20.3	87.3	3.8
B.F. SEEDS BF 3356	151.5	19.9	85.7	3.1
VIGORO 1184	151.5	20.3	86.3	2.4
DEKALB DK668	150.8	20.4	88.0	1.0
MYCOGEN AG 7935	149.2	20.2	79.2	7.5
AGRIGOLD A-6690	149.1	19.9	86.2	3.2
CARGILL 8327	148.9	19.9	85.7	1.7
CIBA SEEDS 4581	148.6	20.1	90.1	5.4
VORIS BT 7530	147.0	20.0	85.8	3.2
STEWART HYBRIDS S-9213	145.7	20.3	85.4	1.8
SO. CROSS SC-412	145.1	20.0	83.4	2.5
PIONEER BRAND 3156	145.1	20.6	86.5	3.8
CAVERNDAL FM. CF 953	144.8	20.1	81.9	2.2
GUTWEIN 2753	143.8	20.2	86.8	2.0
PRAIRIE STREAM SX752	143.7	20.1	88.6	5.7
DOWELANCO XHP18070	143.3	22.0	86.4	2.4
MYCOGEN 9220	140.3	21.4	77.4	3.8
DOWELANCO XHP18071	140.3	21.7	85.1	4.2
DOWELANCO XHP18069	133.7	21.7	84.6	1.8
LATE YELLOW AVERAGE	156.1	20.6	87.4	4.0
ALL YELLOW AVERAGE	153.8	19.6	87.8	3.9
WHITE HYBRIDS (19.0 - 21.9%)				
ZIMMERMAN Z64W	164.3	20.6	89.3	4.1
CIBA SEEDS 4652W	164.3	21.9	87.1	4.1
ZIMMERMAN Z62W	161.3	19.0	88.2	3.9
CAVERNDAL FM. CF 920W	161.0	22.0	86.6	7.7
LYNK'S SEEDS 2802W	152.8	20.4	88.3	4.5
ZIMMERMAN Z63W	158.0	21.8	86.2	7.6
ASGROW RX795W	155.2	19.7	89.4	2.7
SO. STATES XP74184W	153.6	19.5	85.8	3.2
SO. STATES SS757W	152.6	19.8	88.2	3.1
DEKALB DK703W	149.8	20.2	87.1	3.3
VINEYARD SEED V-58W	148.8	20.6	88.2	2.8
PIONEER BRAND 3281W	147.2	19.7	87.9	2.5
AGRIGOLD A-6565W	145.6	20.0	86.8	4.3
VINEYARD SEED V-453W	143.1	19.7	88.9	2.5
VINEYARD SEED V-449W	136.8	19.8	89.6	6.3
WHITE AVERAGE	152.4	20.2	87.9	3.9
GRAND AVERAGE	153.7	19.7	87.8	3.9
LSD (0.10)	9.6	0.7	3.0	2.9

* 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 mean in that column.

Table 5. Two-Year Summary, 1993-94, All Non-Virus Locations

BRAND/HYBRID	YIELD BU/AC 93-94	AVG % MOIST 93-94	AVG % STAND 93-94	TOT % LODGED 93-94
LATE YELLOW HYBRIDS				
DEKALB DK743	164.5*	20.8	88.7	6.9
PIONEER BRAND 3165	162.0*	20.2	91.6	6.4
SO. STATES SS943	161.0*	20.0	89.1	4.3
PIONEER BRAND 3167	155.0	21.5	91.3	3.8
CIBA SEEDS 4671	150.7	19.7	88.1	5.6
DEKALB DK714	150.2	19.7	88.5	8.1
COLBERT 326	149.8	19.4	89.3	9.8
ICI SEEDS 8315	149.5	19.7	90.1	12.4
NORTHRUP KING N8727	148.1	19.9	89.9	2.8
COLBERT 324	146.5	19.7	91.7	8.0
DEKALB DK668	145.9	19.4	89.3	3.9
LYNK'S SEEDS 2868	145.2	19.5	91.0	4.6
AGRATECH 810	144.5	19.3	89.4	3.5
FR27 X PA91	143.8	20.2	89.8	11.6
CARGILL 8327	142.6	19.1	89.2	4.0
AGRIGOLD A-6690	142.3	19.2	89.5	5.9
MYCOGEN AG 7935	142.2	19.8	85.5	6.8
STEWART HYBRIDS S-9213	139.9	19.3	87.9	6.8
PIONEER BRAND 3156	139.4	19.7	87.9	6.5
NORTHRUP KING N7989	138.7	19.5	88.1	5.5
MYCOGEN 9220	137.6	20.2	84.9	8.6
CAVERNDALE FM. CF 953	137.4	19.1	84.6	2.7
SO. CROSS SC-412	135.7	19.2	83.7	5.6
VORIS BT 7530	134.9	19.0	85.7	6.3
LATE YELLOW AVERAGE	140.3	18.9	85.0	6.0
ALL YELLOW AVERAGE	144.4	19.0	89.0	5.9
WHITE HYBRIDS				
ZIMMERMAN Z64W	151.3	20.0	88.8	6.3
CIBA SEEDS 4652W	147.9	20.8	88.0	9.5
ZIMMERMAN Z63W	143.5	20.8	88.0	9.7
ASGROW RX795W	143.4	19.2	89.4	8.8
DEKALB DK703W	139.2	19.7	89.0	5.6
AGRIGOLD A-6565W	139.0	19.0	86.9	7.7
SO. STATES SS757	138.7	19.2	88.4	7.4
VINEYARD SEED V-453W	137.0	19.1	88.0	3.2
PIONEER BRAND 3281W	136.3	19.3	90.2	3.2
VINEYARD SEED V-58W	135.6	20.0	89.8	4.9
VINEYARD SEED V-449W	130.1	19.3	89.9	5.4
WHITE AVERAGE	140.2	19.7	88.8	6.5
GRAND AVERAGE	143.8	19.1	89.0	6.0
LSD (0.10)	7.2	0.4	2.0	2.4

* 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 mean in that column.

Table 7. Annual Summary, Virus Test, Lexington, KY (no virus pressure)

BRAND/HYBRID	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
YELLOW HYBRIDS					
MYCOGEN EXP.4930		190.6*	20.9	95.4	0.0
TERRA SEED TR1185	148.2*	190.0*	21.8	94.0	3.4
GOLDEN HARVEST H2611		186.9*	19.9	93.1	1.5
PIONEER BRAND X1183F		183.9*	20.4	92.1	4.1
ASGROW XP7583		173.8*	21.3	88.0	0.0
CHECK HYBRID YELLOW	117.9	173.8*	20.5	90.7	3.0
DEKALB DK683	136.4*	172.4*	22.0	91.2	2.0
VORIS EX 120-94		170.9*	20.4	94.9	1.4
MYCOGEN AG 7935	133.3*	169.1*	22.3	92.6	2.0
CAVERNDALE FM. CF 8905		166.7*	18.8	90.7	0.5
VIGORO 1204		166.3*	20.2	92.1	1.5
SO. STATES SS883A	138.6*	165.7*	22.0	90.7	1.5
MYCOGEN 8460		164.9*	22.3	93.1	4.1
BECK'S 85MDM	126.8	164.9*	20.5	90.3	1.5
BO-JAC 629	135.6*	164.6*	21.5	92.1	2.5
BEACHLEY-HARDY BH 4776		164.5*	19.8	94.4	0.0
ASGROW XP9380		163.3*	23.1	94.0	0.0
AGRATECH 888	130.3*	162.1*	20.2	93.5	2.0
CARGILL 8936	128.1*	160.3*	21.4	92.1	1.9
ICI SEEDS SB1860	124.6	159.4*	21.8	90.3	1.5
PIONEER BRAND 3154	124.9	158.8*	21.5	94.4	2.9
BECK'S 87MDM	124.5	155.9	21.3	94.9	3.9
DEKALB DK689	140.0*	155.6	19.6	95.4	1.0
DEKALB DK743	133.4*	154.6	19.8	92.1	1.1
NORTHROP-KING N8656		154.2	21.4	94.0	1.9
BO-JAC 615		153.0	19.8	93.5	0.5
AGRATECH 967		152.9	21.1	90.7	3.1
CIBA SEEDS 4680	135.0*	152.5	22.3	89.4	4.2
ASGROW RX923	142.2*	151.5	20.3	93.5	0.0
SO. CROSS SC-912	132.9*	151.4	20.9	93.5	2.5
SO. STATES SS943	132.0*	151.0	21.2	95.8	1.9
PIONEER BRAND 3156	135.7*	150.6	21.3	93.5	2.5
CIBA SEEDS 4671	120.5	149.1	22.1	92.1	5.0
VIGORO 1184		147.6	20.9	94.4	3.0
TERRA SEED TR 641E	122.4	146.7	20.7	92.6	0.5
PFISTER HYB. 3350 VR	105.8	145.1	20.1	94.4	1.9
CROW'S 702		143.9	23.7	89.4	1.6
BO-JAC 577		143.7	20.7	93.5	0.0
CIBA SEEDS 7074X		142.5	20.4	94.0	2.5
GOLDEN HARVEST H2530		142.1	17.9	91.7	6.2
CAVERNDALE FM. CF900	115.0	137.1	20.1	94.9	1.9
ASGROW XP8383		135.6	19.6	94.4	0.5
AGRATECH 9250	121.8	132.7	24.4	90.3	1.1
BECK'S EXP 1755		130.8	22.5	90.3	1.5
ASGROW RX919	128.0*	130.1	22.4	91.7	6.1
ICI SEEDS 8220		116.0	24.3	93.1	2.0
YELLOW AVERAGE	129.4	156.5	21.1	92.7	2.0
WHITE HYBRIDS					
CHECK HYBRID WHITE	125.9	165.6*	22.3	95.4	1.4
AGRIGOLD A-6796W	127.4*	164.8*	22.0	87.0	3.0
VINEYARD V472W	122.5	127.7	20.5	91.7	2.0
WHITE AVERAGE	125.2	152.7	21.6	91.4	2.2
GRAND AVERAGE	128.9	156.3	21.1	92.6	2.0
LSD (0.10)	21.3	33.3	2.0	5.3	2.8
C.V.		15.8	7.0	4.3	101.1

* 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 mean in that column.

Table 8. Annual Summary, Hickman, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
AGRATECH 757	134.8	117.0	156.2*	18.9	88.0	10.9
SO. STATES SS827			152.0*	18.8	88.0	12.4
PIONEER BRAND 3165	155.3*	140.3*	149.2*	18.4	89.4	16.7
COLBERT 324	135.9	120.7	147.7*	18.6	90.3	25.0
ICI SEEDS 8100			145.1*	22.6	88.9	12.8
DOWELANCO XHP18070			143.3*	21.4	88.4	10.5
CIBA SEEDS 4714			143.1*	21.7	88.4	24.1
ZIMMERMAN Z21			142.9*	19.9	84.7	6.5
DEKALB DK743	150.5*	139.6*	142.4*	20.9	83.8	11.6
MYCOGEN 8460			141.8*	20.0	91.7	10.7
DEKALB DK668		122.0	141.4*	18.2	90.3	5.7
NORTHROP KING N7989	125.2	100.6	140.7*	19.5	87.5	9.6
SO. STATES SS943	144.6*	126.2	140.0*	18.2	84.7	4.4
PIONEER BRAND 3167		126.5	139.9*	19.0	94.9	11.8
TERRA SEED TR1185			137.9*	18.4	75.5	24.4
CARGILL 8327		96.9	137.6*	17.7	87.0	4.7
FR27 X PA91	124.8	103.2	137.5*	19.5	88.4	21.1
B.F. SEEDS BF 3356			136.3*	17.6	86.6	8.1
VIGORO 1184			135.5	20.3	84.3	7.1
AGRIGOLD A-6690	123.5	96.0	135.1	18.5	84.3	11.1
LYNK'S SEEDS 2868		106.7	134.1	19.5	91.2	12.0
AGRATECH 810		114.1	133.2	19.2	89.4	11.0
CIBA SEEDS 4581			133.1	19.0	84.3	11.6
BECK'S 8808			133.0	18.6	85.6	8.6
B.F. SEEDS BF 3359A			131.4	19.6	85.2	12.6
SO. CROSS SC-412	132.0	111.8	130.7	20.0	85.6	11.3
COLBERT 326	127.5	111.6	130.6	19.1	83.3	15.3
CIBA SEEDS 4671	134.0	117.0	130.4	19.5	82.4	14.6
VORIS EX 118-94			130.4	18.4	86.1	14.6
B.F. SEEDS BF 3397			130.0	19.7	82.4	21.7
VORIS BT 7530		99.6	129.3	18.8	82.9	12.2
NORTHROP KING N8727	129.6	107.1	128.6	20.1	88.4	11.6
PIONEER BRAND 3156		96.2	128.3	20.0	82.4	18.4
BEACHLEY-HARDY HT 7728			128.1	19.6	83.3	13.7
PRAIRIE STREAM SX752			128.1	18.4	90.3	23.5
SO. STATES SS883A			127.1	19.4	87.0	9.7
DOWELANCO XHP18069			126.2	21.5	88.4	9.5
DOWELANCO XHP18071			125.6	20.8	80.1	23.0
CAVERNDALE FM. CF 953	129.3	110.4	125.4	17.9	73.6	12.1
DEKALB DK714		100.9	125.2	20.3	81.9	14.2
MYCOGEN AG 7935	129.7	110.9	124.3	18.9	75.9	23.6
CAVERNDALE FM. CF 9314			123.6	19.5	84.3	29.1
CAVERNDALE FM. CF 9418			122.7	20.0	80.6	15.3
ICI SEEDS 8315	130.0	108.3	122.1	20.6	83.8	23.3
CROW'S 702			121.7	19.6	83.3	11.1
GUTWEIN 2753			120.6	18.3	81.0	7.1
STEWART HYBRIDS S-9213	121.4	96.8	114.6	19.1	80.6	9.8
MYCOGEN 9220	127.1	109.2	110.9	20.0	69.9	16.1
LATE YELLOW AVERAGE	132.6	116.2	133.2	19.4	85.0	13.9
ALL YELLOW AVERAGE	131.1	110.5	130.8	18.6	85.7	13.0
WHITE HYBRIDS						
CAVERNDALE FM. CF 920W			142.0*	21.1	81.9	18.2
CIBA SEEDS 4652W	119.4	99.7	136.0	20.8	85.2	18.2
SO. STATES XP74184W			135.4	19.1	89.4	10.1
SO. STATES SS757W		116.2	135.0	18.5	88.9	13.7
ZIMMERMAN Z63W	110.4	89.7	132.5	21.0	87.0	33.2
ASGROW RX795W	125.9	104.4	132.2	19.1	88.0	9.4
ZIMMERMAN Z64W		93.3	130.0	19.3	85.2	18.2
LYNK'S SEEDS 2802W			129.8	19.9	89.8	16.6
VINEYARD SEED V-58W	116.7	96.9	126.8	19.6	88.9	15.1
AGRIGOLD A-6565W		93.2	125.5	18.2	81.0	19.7
ZIMMERMAN Z62W			123.9	17.0	89.4	11.5
VINEYARD SEED V-453W		105.0	118.3	19.2	86.1	13.5
DEKALB DK703W		93.4	118.2	19.5	86.1	18.4
VINEYARD SEED V-449W	110.9	102.2	103.9	19.1	87.0	24.2
PIONEER BRAND 3281W	109.0	86.1	96.7	18.3	85.2	16.3
WHITE AVERAGE	115.4	98.2	125.8	19.3	86.6	17.1
GRAND AVERAGE	129.2	108.6	130.2	18.7	85.8	13.4
LSD (0.10)	17.2	21.2	20.0	1.5	8.8	9.0
C.V.			11.5	6.2	7.7	49.8

* 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 mean in that column.

Table 8. Annual Summary, Hickman, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
BEACHLEY-HARDY BH 4776			147.6*	17.0	89.4	7.6
ASGROW RX770			139.9*	16.4	88.4	12.2
CIBA SEEDS 4494		109.6	138.1*	16.6	92.6	11.4
GOLDEN HARVEST H2611			134.4	17.4	83.8	11.0
LYNK'S SEEDS 2807			134.1	17.1	80.1	9.9
PIONEER BRAND 3394	142.3*	131.4*	133.2	17.7	83.8	20.6
SO. CROSS SC-902			131.3	17.1	87.0	6.4
CROW'S 494			128.4	16.8	89.4	22.7
BO-JAC 577			126.9	18.4	89.4	8.8
ADLER'S 6140			124.4	16.6	88.4	18.2
NORTHRUP-KING N7590			124.2	17.6	87.5	13.4
SO. STATES SS682		100.6	123.7	17.5	88.0	14.2
NORTHRUP KING N6330	116.4	92.9	123.1	16.5	86.6	14.3
FR618 X FR600	134.1	112.4	119.3	15.9	88.0	6.8
VIGORO 1122			117.7	16.7	82.4	24.7
GOLDEN HARVEST H2530			116.2	17.1	82.4	15.3
DOWELANCO XHP17193			113.2	18.1	85.6	11.7
LYNK'S SEEDS 2759			105.7	16.5	77.8	8.9
EARLY YELLOW AVERAGE	130.9	109.4	126.7	17.0	86.1	13.2
MEDIUM YELLOW HYBRIDS						
PIONEER BRAND 3140	158.5*	148.8*	156.1*	19.0	88.4	15.8
AGRATECH 787	135.0	113.0	146.0*	18.2	87.5	5.9
SO. CROSS SC-612	125.5	102.2	143.3*	19.4	91.2	9.5
ZIMMERMAN Z29		104.7	142.9*	18.4	89.8	9.7
NORTHRUP-KING N8020			141.6*	18.9	84.7	8.7
TERRA SEED TR1167	132.1	124.3	140.8*	18.9	85.2	6.5
DEKALB DK646	129.3	106.0	140.4*	17.7	91.2	18.9
PIONEER BRAND 3279	131.6	119.6	140.4*	18.3	85.2	15.2
CROW'S 668		120.5	139.7*	19.6	90.7	8.1
CARGILL 9027	131.5	114.9	139.1*	18.1	88.4	11.5
TERRA SEED E 1168		100.1	138.3*	19.2	84.3	10.5
GLICK SEED GH752		121.4	138.2*	19.1	84.7	10.7
COLBERT 279		108.8	137.3*	17.8	84.7	7.6
ZIMMERMAN Z27	125.8	101.9	137.3*	20.2	85.2	11.9
SO. STATES XP54003			135.6	19.8	88.4	17.1
BO-JAC 629	143.7*	127.8*	135.4	18.1	84.3	10.4
ASGROW RX907			135.1	18.8	88.4	25.6
AGRIGOLD A-6470		110.1	134.4	17.1	82.9	17.0
CROW'S 510		105.2	133.5	17.6	81.5	16.4
FR27 X MO17	121.0	97.6	133.4	19.1	86.6	17.7
MYCOGEN 8240		121.0	132.7	18.4	88.9	7.9
DEKALB DK683		114.4	132.6	19.3	84.3	7.7
ICI SEEDS N8340			132.1	17.1	89.4	6.2
PRAIRIE STREAM SX556	129.6	113.6	130.5	18.0	85.2	8.7
AGRIGOLD A-6716			130.4	18.7	90.3	4.1
BO-JAC 925	130.4	106.2	129.7	18.3	86.1	6.9
ASGROW RX919	140.4	120.2	129.0	17.1	84.7	9.4
BEACHLEY-HARDY HT 7748			128.3	18.5	86.1	8.5
GLICK SEED GH801	123.6	99.4	128.3	18.9	86.1	8.5
BO-JAC 615			128.2	17.8	80.6	9.3
VORIS BT 7740			128.0	17.5	81.5	15.3
STEWART HYBRIDS S-94SI			127.8	18.0	95.4	11.2
CARVENDALE FM. CF 950A			127.3	18.0	76.9	12.1
CIBA SEEDS 5175X			126.9	17.7	84.3	7.7
PIONEER BRAND 3163		104.5	126.4	18.2	86.6	23.7
VIGORO 1204			125.9	18.8	87.5	6.9
PIONEER BRAND 3245	128.9	101.9	124.4	17.8	88.0	17.5
CROW'S 667	131.8	112.5	124.0	19.5	81.0	16.1
GUTWEIN 2810	118.0	100.6	123.7	18.3	92.1	10.6
SCOTT SEED S5263		91.1	123.5	18.5	86.6	8.8
NORTHRUP-KING N7992			122.6	19.2	83.8	18.7
BECK'S 68	124.4	101.6	122.0	18.0	90.3	10.9
ADLERS 7850	127.6	103.4	120.7	19.3	81.0	10.9
ICI SEEDS 8281			119.8	16.9	94.0	8.8
STEWART HYBRIDS S-9414			117.3	17.4	84.7	10.3
BECK'S 7101			116.3	18.4	81.0	16.8
ASGROW RX923			116.2	16.1	90.3	14.7
BECK'S 72X	129.6	110.1	115.2	17.0	85.6	15.1
ADLERS 6130	119.7	98.4	111.7	18.6	83.8	12.4
COLBERT 230	121.0	97.0	111.2	18.4	82.4	13.6
DOWELANCO XHP17194			108.5	19.5	81.0	17.3
MEDIUM YELLOW AVERAGE	129.9	109.8	130.0	18.4	86.1	12.0

Table 8. Annual Summary, Hickman, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
AGRATECH 757	134.8	117.0	156.2*	18.9	88.0	10.9
SO. STATES SS827			152.0*	18.8	88.0	12.4
PIONEER BRAND 3165	155.3*	140.3*	149.2*	18.4	89.4	16.7
COLBERT 324	135.9	120.7	147.7*	18.6	90.3	25.0
ICI SEEDS 8100			145.1*	22.6	88.9	12.8
DOWELANCO XHP18070			143.3*	21.4	88.4	10.5
CIBA SEEDS 4714			143.1*	21.7	88.4	24.1
ZIMMERMAN Z21			142.9*	19.9	84.7	6.5
DEKALB DK743	150.5*	139.6*	142.4*	20.9	83.8	11.6
MYCOGEN 8460			141.8*	20.0	91.7	10.7
DEKALB DK668		122.0	141.4*	18.2	90.3	5.7
NORTHRUP KING N7989	125.2	100.6	140.7*	19.5	87.5	9.6
SO. STATES SS943	144.6*	126.2	140.0*	18.2	84.7	4.4
PIONEER BRAND 3167		126.5	139.9*	19.0	94.9	11.8
TERRA SEED TR1185			137.9*	18.4	75.5	24.4
CARGILL 8327		96.9	137.6*	17.7	87.0	4.7
FR27 X PA91	124.8	103.2	137.5*	19.5	88.4	21.1
B.F. SEEDS BF 3356			136.3*	17.6	86.6	8.1
VIGORO 1184			135.5	20.3	84.3	7.1
AGRIGOLD A-6690	123.5	96.0	135.1	18.5	84.3	11.1
LYNK'S SEEDS 2868		106.7	134.1	19.5	91.2	12.0
AGRATECH 810		114.1	133.2	19.2	89.4	11.0
CIBA SEEDS 4581			133.1	19.0	84.3	11.6
BECK'S 8808			133.0	18.6	85.6	8.6
B.F. SEEDS BF 3359A			131.4	19.6	85.2	12.6
SO. CROSS SC-412	132.0	111.8	130.7	20.0	85.6	11.3
COLBERT 326	127.5	111.6	130.6	19.1	83.3	15.3
CIBA SEEDS 4671	134.0	117.0	130.4	19.5	82.4	14.6
VORIS EX 118-94			130.4	18.4	86.1	14.6
B.F. SEEDS BF 3397			130.0	19.7	82.4	21.7
VORIS BT 7530		99.6	129.3	18.8	82.9	12.2
NORTHRUP KING N8727	129.6	107.1	128.6	20.1	88.4	11.6
PIONEER BRAND 3156		96.2	128.3	20.0	82.4	18.4
BEACHLEY-HARDY HT 7728			128.1	19.6	83.3	13.7
PRAIRIE STREAM SX752			128.1	18.4	90.3	23.5
SO. STATES SS883A			127.1	19.4	87.0	9.7
DOWELANCO XHP18069			126.2	21.5	88.4	9.5
DOWELANCO XHP18071			125.6	20.8	80.1	23.0
CAVERNDAL FM. CF 953	129.3	110.4	125.4	17.9	73.6	12.1
DEKALB DK714		100.9	125.2	20.3	81.9	14.2
MYCOGEN AG 7935	129.7	110.9	124.3	18.9	75.9	23.6
CAVERNDAL FM. CF 9314			123.6	19.5	84.3	29.1
CAVERNDAL FM. CF 9418			122.7	20.0	80.6	15.3
ICI SEEDS 8315	130.0	108.3	122.1	20.6	83.8	23.3
CROW'S 702			121.7	19.6	83.3	11.1
GUTWEIN 2753			120.6	18.3	81.0	7.1
STEWART HYBRIDS S-9213	121.4	96.8	114.6	19.1	80.6	9.8
MYCOGEN 9220	127.1	109.2	110.9	20.0	69.9	16.1
LATE YELLOWN AVERAGE	132.6	116.2	133.2	19.4	85.0	13.9
ALL YELLOW AVERAGE	131.1	110.5	130.8	18.6	85.7	13.0
WHITE HYBRIDS						
CAVERNDAL FM. CF 920W			142.0*	21.1	81.9	18.2
CIBA SEEDS 4652W	119.4	99.7	136.0	20.8	85.2	18.2
SO. STATES XP74184W			135.4	19.1	89.4	10.1
SO. STATES SS757W		116.2	135.0	18.5	88.9	13.7
ZIMMERMAN Z63W	110.4	89.7	132.5	21.0	87.0	33.2
ASGROW RX795W	125.9	104.4	132.2	19.1	88.0	9.4
ZIMMERMAN Z64W		93.3	130.0	19.3	85.2	18.2
LYNK'S SEEDS 2802W			129.8	19.9	89.8	16.6
VINEYARD SEED V-58W	116.7	96.9	126.8	19.6	88.9	15.1
AGRIGOLD A-6565W		93.2	125.5	18.2	81.0	19.7
ZIMMERMAN Z62W			123.9	17.0	89.4	11.5
VINEYARD SEED V-453W		105.0	118.3	19.2	86.1	13.5
DEKALB DK703W		93.4	118.2	19.5	86.1	18.4
VINEYARD SEED V-449W	110.9	102.2	103.9	19.1	87.0	24.2
PIONEER BRAND 3281W	109.0	86.1	96.7	18.3	85.2	16.3
WHITE AVERAGE	115.4	98.2	125.8	19.3	86.6	17.1
GRAND AVERAGE	129.2	108.6	130.2	18.7	85.8	13.4
LSD (0.10)	17.2	21.2	20.0	1.5	8.8	9.0
C.V.			11.5	6.2	7.7	49.8

* 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 mean in that column.

Table 9. Annual Summary, Princeton, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
LYNK'S SEEDS 2807			200.3*	18.3	96.3	0.5
CROW'S 494			189.1*	18.9	98.1	0.9
NORTHROP-KING N7590			184.3*	19.0	94.4	0.5
CIBA SEEDS 4494		151.9*	180.1	18.7	96.8	0.0
VIGORO 1122			173.6	17.4	93.5	2.0
BEACHLEY-HARDY BH 4776			171.4	18.8	89.4	1.0
GOLDEN HARVEST H2611			165.6	19.3	90.3	2.0
ASGROW RX770			162.9	18.9	93.5	0.5
PIONEER BRAND 3394	161.8*	148.4*	162.2	19.3	94.0	1.5
FR618 X FR600	156.2	146.5*	161.6	19.4	96.3	1.0
ADLER'S 6140			161.6	18.2	92.6	0.0
SO. CROSS SC-902			156.0	20.2	94.4	0.5
GOLDEN HARVEST H2530			153.7	19.0	92.6	0.0
SO. STATES SS682		144.8*	151.1	19.2	88.9	0.0
BO-JAC 577			149.1	19.1	95.8	0.0
LYNK'S SEEDS 2759			148.9	18.5	91.2	0.0
NORTHROP KING N6330	147.7	130.8	146.3	19.3	93.5	2.0
DOWELANCO XHP17193			119.7	19.3	93.1	0.5
EARLY YELLOW AVERAGE	155.2	144.5	163.2	18.9	93.6	0.7
MEDIUM YELLOW HYBRIDS						
AGRATECH 787	170.4*	163.7*	204.6*	20.5	98.1	0.5
PIONEER BRAND 3279	166.7*	157.2*	192.7*	19.6	97.2	1.4
AGRIGOLD A-6716			188.0*	20.2	91.7	0.0
ZIMMERMAN Z27	163.1*	151.5*	185.5*	21.7	96.3	0.5
ASGROW RX919	168.2*	159.1*	184.5*	18.9	96.3	0.5
BECK'S 7101			183.8*	20.4	92.1	0.5
ASGROW RX923			183.0*	20.1	97.2	1.5
ASGROW RX907			178.8	20.7	94.9	1.5
FR27 X MO17	149.1	147.7*	178.4	20.4	94.4	2.4
GLICK SEED GH752		140.8	178.0	19.8	94.0	0.5
CROW'S 668		151.8*	177.2	19.6	96.8	0.0
BO-JAC 925	158.5*	143.9	177.0	21.4	92.6	0.0
ADLERS 6130	166.8*	153.1*	174.5	20.0	93.1	1.5
DEKALB DK646	169.0*	156.1*	174.1	19.6	95.4	1.5
AGRIGOLD A-6470		149.6*	174.0	19.6	97.2	0.5
ZIMMERMAN Z29		160.7*	174.0	20.7	96.3	0.0
SO. CROSS SC-612	161.7*	147.9*	173.4	20.2	92.6	0.0
PIONEER BRAND 3140	160.5*	146.6*	172.4	20.8	92.1	0.5
GUTWEIN 2810	160.4*	150.4*	171.9	20.3	98.1	0.0
BO-JAC 629	161.5*	149.1*	169.9	20.5	94.9	0.0
MYCOGEN 8240		139.2	169.8	21.0	91.7	0.5
COLBERT 279		153.8*	168.6	20.4	91.7	0.5
COLBERT 230	151.0	146.6*	167.8	19.2	98.1	0.0
BEACHLEY-HARDY HT 7748			167.6	19.9	94.9	1.0
ADLERS 7850	157.7*	140.8	166.9	20.6	96.3	0.5
NORTHROP-KING N7992			166.9	19.8	91.2	2.1
TERRA SEED E 1168		138.7	165.4	21.2	94.9	0.5
GUTWEIN 2753			165.3	21.2	93.5	0.5
SCOTT SEED S5263		156.0*	165.2	19.8	86.1	0.0
ICI SEEDS 8281			165.1	19.6	92.1	0.9
PRAIRIE STREAM SX556	158.4*	142.0	164.6	20.4	97.2	0.0
VIGORO 1204			164.6	19.2	94.9	1.0
CARGILL 9027	161.7*	150.6*	163.2	21.1	88.9	0.0
SO, STATES XP54003			162.6	20.2	91.2	0.5
STEWART HYBRIDS S-94SI			162.4	21.5	98.1	0.5
BECK'S 72X	153.1	134.3	161.3	19.6	93.1	2.5
ICI SEEDS N8340			161.1	19.4	83.8	0.5
TERRA SEED TR1167	166.3*	153.2*	160.9	20.3	94.4	0.0
CROW'S 510		119.3	159.3	20.1	96.3	0.5
BECK'S 68	158.3*	146.5*	158.8	19.1	94.0	0.0
DEKALB DK683		140.6	157.5	20.0	89.4	1.6
VORIS BT 7740			157.2	20.3	94.0	0.0
GLICK SEED GH801	154.5	144.7*	156.0	21.4	94.4	0.0
NORTHROP-KING N8020			154.3	20.1	94.0	1.9
STEWART HYBRIDS S-9414			153.9	19.2	92.1	1.6
PIONEER BRAND 3245	158.8*	140.8	152.2	19.4	94.9	2.0
CARVENDALE FM. CF 950A			151.4	20.1	91.2	1.1
CIBA SEEDS 5175X			150.4	20.8	84.7	0.5
BO-JAC 615			147.1	20.6	97.7	0.0
PIONEER BRAND 3163		124.8	146.7	19.6	93.1	4.5
DOWELANCO XHP17194			146.3	20.7	93.5	0.0
CROW'S 667	154.5	128.9	145.5	20.1	93.5	2.5
MEDIUM YELLOW AVERAGE	160.5	146.4	170.6	20.6	95.6	0.8

Table 9. Annual Summary, Princeton, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
DEKALB DK743	167.5*	161.6*	194.9*	22.0	94.0	1.0
AGRATECH 810		158.1*	191.6*	20.7	94.9	0.0
CIBA SEEDS 4671	171.8*	160.6*	190.9*	21.2	92.6	0.5
ICI SEEDS 8315	164.7*	158.8*	186.4*	21.0	91.7	1.0
VORIS BT 7530		151.0*	186.3*	20.6	94.0	1.0
B.F. SEEDS BF 3359A			185.0*	21.6	98.6	1.4
AGRATECH 757	160.6*	154.7*	182.4*	20.7	96.8	1.0
SO. STATES SS827			181.1*	21.0	93.5	0.0
PIONEER BRAND 3167		162.3*	180.4*	23.1	99.5	0.5
SO. STATES SS883A			180.3*	20.4	95.8	1.9
CAVERNDALE FM. CF 9418			175.9	20.2	92.6	2.5
STEWART HYBRIDS S-9213	160.5*	151.0*	175.4	21.5	92.6	0.5
NORTHRUP KING N8727	174.3*	154.3*	174.5	21.1	93.5	1.0
ZIMMERMAN Z21			174.3	21.4	95.4	1.0
MYCOGEN AG 7935	161.1*	153.4*	173.6	21.4	80.6	1.8
COLBERT 326	164.9*	155.9*	173.5	22.0	95.4	0.5
PIONEER BRAND 3165	162.2*	150.8*	173.5	21.2	97.2	4.8
B.F. SEEDS BF 3397			172.7	24.6	90.7	0.5
FR27 X PA91	151.2	156.3*	172.4	21.2	88.4	1.5
MYCOGEN 8460			171.9	23.1	90.3	1.0
B.F. SEEDS BF 3356			171.8	21.0	94.9	0.5
CAVERNDALE FM. CF 9314			171.7	19.8	96.3	0.0
PIONEER BRAND 3156		149.7*	171.4	22.0	87.5	1.5
DEKALB DK668		161.8*	170.7	21.2	96.8	0.0
SO. STATES SS943	158.7*	155.0*	170.7	21.9	86.1	1.1
TERRA SEED TR1185			167.9	22.2	92.1	4.0
VORIS EX 118-94			167.5	20.6	94.4	1.0
DEKALB DK714		147.0*	167.4	21.0	94.9	1.0
VIGORO 1184			167.4	20.8	92.1	0.0
LYNK'S SEEDS 2868		143.8	166.9	20.8	97.7	0.0
BECK'S 8808			166.2	21.0	96.8	0.0
PRAIRIE STREAM SX752			165.7	20.6	92.1	4.5
ICI SEEDS 8100			165.0	23.8	98.6	0.0
CROW'S 702			164.3	22.4	95.4	0.5
BEACHLEY-HARDY HT 7728			164.1	20.4	94.9	0.0
CIBA SEEDS 4714			162.5	22.6	93.1	1.0
NORTHRUP KING N7989	148.5	135.6	162.5	21.3	90.3	0.0
CARGILL 8327		143.5	160.0	20.3	95.8	1.4
CIBA SEEDS 4581			160.0	20.2	95.8	0.0
COLBERT 324	154.3	144.1	156.2	21.3	89.8	0.5
MYCOGEN 9220	148.3	140.3	154.7	21.4	80.6	0.0
AGRIGOLD A-6690	159.7*	139.3	149.4	20.0	87.0	0.0
DOWELANCO XHP18071			147.5	22.8	93.5	0.0
CAVERNDALE FM. CF 953	145.7	127.5	142.7	21.7	86.1	0.0
SO. CROSS SC-412	147.3	124.8	142.6	20.8	90.3	0.5
DOWELANCO XHP18069			140.9	21.5	79.2	0.0
DOWELANCO XHP18070			122.8	23.0	94.0	0.0
LATE YELLOW AVERAGE	158.9	155.9	164.9	21.0	90.7	0.8
ALL YELLOW AVERAGE	159.5	147.5	167.2	20.5	93.3	0.8
WHITE HYBRIDS						
SO. STATES XP74184W			181.0*	21.4	93.5	3.0
LYNK'S SEEDS 2802W			180.6*	20.5	95.8	1.0
CIBA SEEDS 4652W	149.5	140.5	177.2	23.1	97.2	1.0
VINEYARD SEED V-58W	145.0	138.3	177.1	20.7	92.1	1.0
DEKALB DK703W		142.7	175.9	20.6	96.8	0.9
ASGROW RX795W	158.3*	150.5*	168.7	21.1	92.1	0.0
ZIMMERMAN Z63W	153.7	143.3	166.3	21.9	88.0	0.5
ZIMMERMAN Z64W		149.0*	166.3	21.5	88.9	1.0
AGRIGOLD A-6565W		141.4	160.6	20.7	96.8	0.0
PIONEER BRAND 3281W	145.8	139.3	160.2	21.0	86.6	1.0
ZIMMERMAN Z62W			159.8	21.4	90.3	0.0
SO. STATES SS757W		134.8	157.4	21.4	95.4	1.0
VINEYARD SEED V-453W		138.9	156.6	20.6	96.3	1.0
CAVERNDALE FM. CF 920W			156.0	23.1	91.7	1.5
VINEYARD SEED V-449W	133.6	122.9	135.0	19.9	94.9	0.5
WHITE AVERAGE	147.7	140.2	165.3	21.3	93.1	0.9
GRAND AVERAGE	158.0	146.4	166.9	20.6	93.3	0.8
LSD (0.10)	17.8	18.1	24.3	1.4	7.6	2.0
C.V.			10.9	5.2	6.1	179.5

* 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 mean in that column.

Table 10. Annual Summary, Dixon, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
LYNK'S SEEDS 2807			182.1	19.2	86.1	0.0
ASGROW RX770			178.1	19.0	92.1	2.6
CROW'S 494			173.0	19.8	100.0	4.6
ADLER'S 6140			171.3	19.8	85.6	1.0
GOLDEN HARVEST H2611			171.3	19.6	89.8	3.1
BO-JAC 577			170.7	20.4	84.7	0.5
BEACHLEY-HARDY BH 4776			169.7	20.5	92.6	1.0
FR618 X FR600	152.1	141.6	166.8	18.1	91.7	1.1
VIGORO 1122			166.0	18.9	86.1	0.0
SO. STATES SS682		148.4	164.2	19.4	83.8	1.8
PIONEER BRAND 3394	171.5	161.9	163.6	19.1	87.0	3.2
NORTHROP KING N6330	164.4	143.3	161.9	19.2	88.0	0.6
SO. CROSS SC-902			159.2	21.0	86.1	0.5
NORTHROP-KING N7590			152.4	19.3	77.8	1.8
LYNK'S SEEDS 2759			138.4	19.3	87.0	1.0
CIBA SEEDS 4494		131.3	135.5	19.1	79.6	1.8
GOLDEN HARVEST H2530			131.1	18.4	80.6	0.5
DOWELANCO XHP17193			113.0	19.4	84.3	0.0
EARLY YELLOW AVERAGE	162.7	145.3	159.3	19.4	86.8	1.4
MEDIUM YELLOW HYBRIDS						
ASGROW RX923			206.7*	21.4	94.9	6.2
PIONEER BRAND 3140	180.1*	173.7*	202.1*	22.2	81.9	1.1
TERRA SEED TR1167	170.8	163.4	188.7*	21.3	92.6	0.0
COLBERT 279		168.6*	185.1*	20.5	88.9	0.5
CIBA SEEDS 5175X			184.9*	21.0	86.1	0.0
PIONEER BRAND 3163		171.4*	181.6	19.6	90.7	11.9
TERRA SEED E 1168		165.6	180.0	19.9	83.8	0.0
FR27 X MO17	168.8	169.0*	179.9	20.2	86.1	2.1
NORTHROP-KING N7992			179.0	22.3	87.5	1.6
SO. CROSS SC-612	176.4*	162.9	177.8	20.1	80.6	1.1
ICI SEEDS 8281			176.8	20.3	86.6	0.0
DEKALB DK646	183.9*	169.1*	175.4	20.5	88.4	3.4
ZIMMERMAN Z27	186.9*	179.4*	175.2	20.8	82.9	1.6
PIONEER BRAND 3279	173.1	167.7	175.1	20.6	90.3	2.4
CROW'S 667	172.7	155.7	174.2	20.1	83.8	3.4
BO-JAC 925	180.5*	163.9	173.9	19.8	82.4	0.6
CARVENDALE FM. CF 950A			173.3	21.0	82.4	0.0
VORIS BT 7740			173.2	21.0	83.8	1.1
BECK'S 68	173.5	164.1	172.6	20.0	81.0	3.0
BO-JAC 629	177.8*	158.3	172.6	20.7	93.1	0.5
NORTHROP-KING N8020			171.6	22.1	88.9	0.0
GLICK SEED GH752		160.7	169.7	20.6	84.7	1.6
VIGORO 1204			169.6	21.2	84.7	0.0
ZIMMERMAN Z29		170.7*	169.1	20.6	88.0	0.0
AGRATECH 787	175.8	159.3	168.1	21.2	84.7	0.6
ADLERS 6130	167.1	149.1	166.8	20.5	83.3	2.8
CROW'S 510		148.4	166.6	21.1	89.4	1.5
DOWELANCO XHP17194			164.1	21.2	90.7	0.5
CARGILL 9027	184.5*	170.9*	163.6	21.2	78.2	0.0
SO. STATES XP54003			163.1	19.9	83.8	2.8
ICI SEEDS N8340			162.9	19.7	83.8	0.0
BECK'S 72X	174.4	160.9	162.6	19.1	83.8	2.0
ASGROW RX919	175.2	152.6	161.7	22.5	86.6	0.5
PRAIRIE STREAM SX556	170.5	156.9	161.4	20.8	77.3	2.5
BO-JAC 615			159.4	21.6	84.7	0.0
AGRIGOLD A-6470		156.2	159.2	20.0	83.3	1.9
MYCOGEN 8240		140.2	159.1	22.0	85.6	0.0
STEWART HYBRIDS S-94SI			157.9	21.5	97.2	0.5
PIONEER BRAND 3245	172.7	155.9	157.6	19.9	90.3	1.4
AGRIGOLD A-6716			157.6	21.0	82.9	0.0
STEWART HYBRIDS S-9414			157.5	21.7	82.9	2.0
ASGROW RX907			155.0	21.3	81.5	3.6
GLICK SEED GH801	165.9	146.5	154.6	22.6	75.0	1.2
COLBERT 230	160.9	133.2	153.3	21.0	88.0	1.5
GUTWEIN 2810	173.9	159.0	153.2	22.2	81.5	0.0
CROW'S 668		149.6	153.1	22.6	84.3	1.8
ADLERS 7850	167.7	152.3	152.5	22.1	88.9	0.0
DEKALB DK683		145.9	149.9	22.3	80.1	0.0
SCOTT SEED S5263		139.9	149.5	20.4	76.4	0.0
BEACHLEY-HARDY HT 7748			148.1	22.8	76.9	0.0
BECK'S 7101			137.0	19.3	81.0	2.8
MEDIUM YELLOW AVERAGE	174.2	158.8	167.5	21.0	85.0	1.4

Table 10. Annual Summary, Dixon, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
PIONEER BRAND 3165	191.7*	186.3*	195.9*	20.8	93.5	2.0
BECK'S 8808			194.6*	22.7	91.7	2.5
PIONEER BRAND 3167		172.9*	193.1*	24.1	96.8	2.4
DEKALB DK743	189.3*	180.2*	189.3*	24.5	86.6	1.5
DEKALB DK714			181.6*	21.9	90.7	0.0
COLBERT 324	182.5*	176.4*	187.4*	21.3	88.0	0.5
SO. STATES SS943	179.1*	164.7	183.3*	24.1	83.8	1.1
SO. STATES SS883A			181.3	21.8	92.1	2.1
ICI SEEDS 8315	174.6	167.7	178.1	21.8	92.1	2.5
CROW'S 702			177.9	21.3	84.7	0.5
CIBA SEEDS 4671	172.1	159.9	177.7	21.9	87.5	3.7
TERRA SEED TR1185			177.4	21.8	88.0	2.6
MYCOGEN 8460			176.6	23.5	87.0	1.6
CIBA SEEDS 4714			176.2	22.3	84.3	1.1
NORTHROP KING N8727	182.6*	174.3*	175.6	21.0	81.0	0.0
FR27 X PA91	163.9	146.2	175.5	21.6	87.0	4.8
SO. STATES SS827			175.5	22.9	86.1	0.0
VORIS EX 118-94			175.2	21.7	88.0	1.1
B.F. SEEDS BF 3359A			175.0	21.8	96.8	0.5
ICI SEEDS 8100			174.1	22.9	95.4	0.0
BEACHLEY-HARDY HT 7728			173.2	22.1	84.7	0.0
AGRATECH 810		153.2	172.5	22.1	83.8	1.1
AGRATECH 757	180.7*	164.4	171.8	22.5	86.1	1.6
B.F. SEEDS BF 3397			170.2	25.7	85.6	1.1
CAVERNDALE FM. CF 9418			168.9	21.1	83.8	3.3
CIBA SEEDS 4581			168.5	22.3	94.9	0.5
ZIMMERMAN Z21			168.5	22.7	90.7	1.0
COLBERT 326	172.7	166.2	168.2	21.3	74.1	0.9
PIONEER BRAND 3156		163.4	168.0	22.6	87.0	3.8
LYNK'S SEEDS 2868		149.3	167.7	22.2	96.8	0.0
VIGORO 1184			165.9	21.1	81.9	2.2
NORTHROP KING N7989	180.1*	165.3	165.8	23.1	89.4	0.5
CAVERNDALE FM. CF 9314			164.1	21.1	82.9	1.5
CAVERNDALE FM. CF 953	173.3	153.6	163.1	22.1	81.5	1.1
B.F. SEEDS BF 3356			161.4	23.0	81.5	1.6
AGRIGOLD A-6690	172.6	155.0	159.8	22.6	82.9	0.0
PRAIRIE STREAM SX752			158.4	22.3	84.7	3.3
GUTWEIN 2753			155.5	22.9	88.4	1.0
MYCOGEN 9220	170.5	157.9	154.7	22.5	66.2	2.0
VORIS BT 7530		148.5	151.6	21.9	79.2	0.6
MYCOGEN AG 7935	166.4	154.7	151.4	23.4	76.4	0.0
DOWELANCO XHP18070			151.2	23.6	88.9	0.5
DEKALB DK668		162.2	150.9	22.4	87.0	0.5
STEWART HYBRIDS S-9213	172.9	154.0	148.2	22.1	75.5	1.0
SO. CROSS SC-412	160.7	144.8	146.2	21.9	74.5	0.9
DOWELANCO XHP18071			145.6	24.3	81.9	1.6
DOWELANCO XHP18069			139.1	25.1	87.5	0.0
CARGILL 8327		153.2	134.0	22.7	69.9	0.0
LATE YELLOW AVERAGE	175.6	169.0	168.6	22.5	85.6	1.3
ALL YELLOW AVERAGE	174.0	159.1	166.7	21.3	85.5	1.4
WHITE HYBRIDS						
ZIMMERMAN Z62W			187.4*	20.1	86.6	1.9
ZIMMERMAN Z64W		184.6*	179.7	22.8	91.2	1.9
SO. STATES XP74184W			178.8	22.6	79.2	0.0
CAVERNDALE FM. CF 920W			172.4	24.1	81.0	0.0
SO. STATES SS757W		168.7*	169.8	22.7	79.6	0.6
PIONEER BRAND 3281W	164.8	155.7	165.7	20.9	89.4	0.5
ASGROW RX795W	171.9	158.5	165.5	22.0	89.8	0.5
AGRIGOLD A-6565W		160.3	164.8	22.4	87.5	1.5
VINEYARD SEED V-449W	152.7	142.1	162.8	22.0	94.9	3.4
CIBA SEEDS 4652W	167.4	165.0	159.7	24.4	78.7	1.1
ZIMMERMAN Z63W	172.6	165.5	158.0	24.3	87.0	3.8
DEKALB DK703W		146.0	154.2	22.9	84.7	1.1
LYNK'S SEEDS 2802W			147.7	21.3	83.8	2.6
VINEYARD SEED V-453W		126.1	144.9	21.8	81.5	2.3
VINEYARD SEED V-58W	156.4	139.0	140.5	22.7	88.4	0.0
WHITE AVERAGE	164.3	155.6	163.5	22.5	85.6	1.4
GRAND AVERAGE	172.8	158.6	166.3	21.5	85.5	1.4
LSD (0.10)	15.7	18.4	23.6	1.6	10.1	2.7
C.V.			10.5	5.2	8.8	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 mean in that column.

Table 10. Annual Summary, Dixon, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
LYNK'S SEEDS 2807			182.1	19.2	86.1	0.0
ASGROW RX770			178.1	19.0	92.1	2.6
CROW'S 494			173.0	19.8	100.0	4.6
ADLER'S 6140			171.3	19.8	85.6	1.0
GOLDEN HARVEST H2611			171.3	19.6	89.8	3.1
BO-JAC 577			170.7	20.4	84.7	0.5
BEACHLEY-HARDY BH 4776			169.7	20.5	92.6	1.0
FR618 X FR600	152.1	141.6	166.8	18.1	91.7	1.1
VIGORO 1122			166.0	18.9	86.1	0.0
SO. STATES SS682		148.4	164.2	19.4	83.8	1.8
PIONEER BRAND 3394	171.5	161.9	163.6	19.1	87.0	3.2
NORTHRUP KING N6330	164.4	143.3	161.9	19.2	88.0	0.6
SO. CROSS SC-902			159.2	21.0	86.1	0.5
NORTHRUP-KING N7590			152.4	19.3	77.8	1.8
LYNK'S SEEDS 2759			138.4	19.3	87.0	1.0
CIBA SEEDS 4494		131.3	135.5	19.1	79.6	1.8
GOLDEN HARVEST H2530			131.1	18.4	80.6	0.5
DOWELANCO XHP17193			113.0	19.4	84.3	0.0
EARLY YELLOW AVERAGE	162.7	145.3	159.3	19.4	86.8	1.4
MEDIUM YELLOW HYBRIDS						
ASGROW RX923			206.7*	21.4	94.9	6.2
PIONEER BRAND 3140	180.1*	173.7*	202.1*	22.2	81.9	1.1
TERRA SEED TR1167	170.8	163.4	188.7*	21.3	92.6	0.0
COLBERT 279		168.6*	185.1*	20.5	88.9	0.5
CIBA SEEDS 5175X			184.9*	21.0	86.1	0.0
PIONEER BRAND 3163		171.4*	181.6	19.6	90.7	11.9
TERRA SEED E 1168		165.6	180.0	19.9	83.8	0.0
FR27 X MO17	168.8	169.0*	179.9	20.2	86.1	2.1
NORTHRUP-KING N7992			179.0	22.3	87.5	1.6
SO. CROSS SC-612	176.4*	162.9	177.8	20.1	80.6	1.1
ICI SEEDS 8281			176.8	20.3	86.6	0.0
DEKALB DK646	183.9*	169.1*	175.4	20.5	88.4	3.4
ZIMMERMAN Z27	186.9*	179.4*	175.2	20.8	82.9	1.6
PIONEER BRAND 3279	173.1	167.7	175.1	20.6	90.3	2.4
CROW'S 667	172.7	155.7	174.2	20.1	83.8	3.4
BO-JAC 925	180.5*	163.9	173.9	19.8	82.4	0.6
CARVENDALE FM. CF 950A			173.3	21.0	82.4	0.0
VORIS BT 7740			173.2	21.0	83.8	1.1
BECK'S 68	173.5	164.1	172.6	20.0	81.0	3.0
BO-JAC 629	177.8*	158.3	172.6	20.7	93.1	0.5
NORTHRUP-KING N8020			171.6	22.1	88.9	0.0
GLICK SEED GH752		160.7	169.7	20.6	84.7	1.6
VIGORO 1204			169.6	21.2	84.7	0.0
ZIMMERMAN Z29		170.7*	169.1	20.6	88.0	0.0
AGRATECH 787	175.8	159.3	168.1	21.2	84.7	0.6
ADLERS 6130	167.1	149.1	166.8	20.5	83.3	2.8
CROW'S 510		148.4	166.6	21.1	89.4	1.5
DOWELANCO XHP17194			164.1	21.2	90.7	0.5
CARGILL 9027	184.5*	170.9*	163.6	21.2	78.2	0.0
SO. STATES XP54003			163.1	19.9	83.8	2.8
ICI SEEDS N8340			162.9	19.7	83.8	0.0
BECK'S 72X	174.4	160.9	162.6	19.1	83.8	2.0
ASGROW RX919	175.2	152.6	161.7	22.5	86.6	0.5
PRAIRIE STREAM SX556	170.5	156.9	161.4	20.8	77.3	2.5
BO-JAC 615			159.4	21.6	84.7	0.0
AGRIGOLD A-6470		156.2	159.2	20.0	83.3	1.9
MYCOGEN 8240		140.2	159.1	22.0	85.6	0.0
STEWART HYBRIDS S-94SI			157.9	21.5	97.2	0.5
PIONEER BRAND 3245	172.7	155.9	157.6	19.9	90.3	1.4
AGRIGOLD A-6716			157.6	21.0	82.9	0.0
STEWART HYBRIDS S-9414			157.5	21.7	82.9	2.0
ASGROW RX907			155.0	21.3	81.5	3.6
GLICK SEED GH801	165.9	146.5	154.6	22.6	75.0	1.2
COLBERT 230	160.9	133.2	153.3	21.0	88.0	1.5
GUTWEIN 2810	173.9	159.0	153.2	22.2	81.5	0.0
CROW'S 668		149.6	153.1	22.6	84.3	1.8
ADLERS 7850	167.7	152.3	152.5	22.1	88.9	0.0
DEKALB DK683		145.9	149.9	22.3	80.1	0.0
SCOTT SEED S5263		139.9	149.5	20.4	76.4	0.0
BEACHLEY-HARDY HT 7748			148.1	22.8	76.9	0.0
BECK'S 7101			137.0	19.3	81.0	2.8
MEDIUM YELLOW AVERAGE	174.2	158.8	167.5	21.0	85.0	1.4

Table 11. Annual Summary, Hopkinsville, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994	GLS 8/18 1994	GLS 8/26 1994	
EARLY YELLOW HYBRIDS									
BO-JAC 577			186.1*	13.8	88.9	0.6	1.9	23.3	
GOLDEN HARVEST H2611			178.2*	13.7	95.4	1.0	4.5	40.5	
CIBA SEEDS 4494		143.7*	174.5*	14.1	91.2	0.0	3.7	32.6	
NORTHRUP-KING N7590			172.8*	14.6	86.6	0.5	6.4	50.2	
SO. STATES SS682		139.7	172.5*	13.3	90.7	0.0	2.8	22.0	
BEACHLEY-HARDY BH 4776			168.4	14.6	90.7	0.0	2.9	21.7	
LYNK'S SEEDS 2807			168.1	14.8	92.6	0.0	3.5	21.9	
FR618 X FR600	153.6	140.6*	167.5	13.9	89.8	0.0	6.6	38.0	
ADLER'S 6140			166.5	14.5	90.7	0.0	4.2	31.6	
CROW'S 494			165.7	14.3	90.3	0.0	4.1	32.2	
GOLDEN HARVEST H2530			162.4	13.4	92.6	0.0	1.6	24.9	
ASGROW RX770			160.4	14.4	93.1	0.0	2.3	27.3	
VIGORO 1122			151.2	14.9	90.3	0.5	5.9	34.5	
SO. CROSS SC-902			149.3	14.8	92.1	0.0	1.7	18.2	
NORTHRUP KING N6330	150.2	130.5	146.6	13.8	89.8	0.5	4.3	43.0	
PIONEER BRAND 3394	152.1	129.1	146.5	13.8	92.1	0.0	4.9	40.4	
DOWELANCO XHP17193			138.9	14.4	92.1	0.0	1.3	10.2	
LYNK'S SEEDS 2759			136.4	14.2	96.3	0.0	0.9	10.2	
EARLY YELLOW AVERAGE	152.0	136.7	161.8	14.2	91.4	0.2	3.5	29.0	
MEDIUM YELLOW HYBRIDS									
PIONEER BRAND 3279	166.1*	155.4*	191.7*	14.9	94.9	0.0	4.3	28.7	
BECK'S 68	170.7*	156.1*	190.4*	15.1	91.7	0.0	2.7	24.9	
PIONEER BRAND 3245	170.4*	145.9*	189.6*	15.9	93.5	0.0	3.6	23.6	
CROW'S 668			147.4*	188.0*	15.7	91.2	0.5	3.3	23.0
DEKALB DK683			153.5*	188.0*	15.8	93.1	0.0	0.5	9.8
CARGILL 9027	166.7*		148.9*	187.9*	16.1	90.3	0.0	2.2	16.1
ZIMMERMAN Z29			154.3*	186.5*	16.3	93.1	0.0	3.0	21.1
GLICK SEED GH801	158.6*	138.6	184.9*	14.4	91.7	0.0	2.5	25.6	
GUTWEIN 2810	164.8*	146.2*	184.2*	15.0	94.4	0.0	4.5	24.4	
VIGORO 1204			184.2*	15.7	95.8	0.0	2.2	17.5	
SO. CROSS SC-612	169.3*	152.2*	181.7*	15.7	91.7	0.0	4.0	22.9	
ZIMMERMAN Z27	160.7*	140.4*	181.0*	14.8	89.4	0.0	2.5	13.7	
BO-JAC 629	164.5*	150.0*	180.7*	15.1	94.4	0.5	2.0	25.9	
PIONEER BRAND 3140	161.6*	144.7*	179.2*	15.3	90.3	0.0	2.1	14.9	
CROW'S 510		130.1	178.3*	14.8	89.8	0.0	2.7	28.2	
ASGROW RX923			178.2*	16.0	89.4	0.0	1.3	30.6	
BO-JAC 615			178.0*	16.4	90.3	1.0	3.7	24.5	
MYCOGEN 8240		137.1	176.2*	14.5	90.3	0.0	2.7	26.9	
NORTHRUP-KING N8020			176.1*	15.3	92.1	0.0	2.5	23.2	
GLICK SEED GH752		139.5	173.1*	14.4	89.8	0.0	2.7	23.2	
ICI SEEDS N8340			171.7	14.7	90.7	0.0	3.7	25.8	
AGRIGOLD A-6716			170.6	14.9	90.7	0.0	2.1	15.1	
DEKALB DK646	157.3*	139.2	170.4	15.7	95.8	0.0	1.1	17.1	
BECK'S 7101			169.6	15.3	93.1	0.0	3.8	34.7	
ASGROW RX919	150.7	127.1	169.2	15.9	90.7	0.0	1.9	26.7	
SCOTT SEED S5263			142.4*	169.2	15.1	91.7	0.5	2.3	23.4
COLBERT 279			138.4	168.9	14.5	96.8	0.5	4.0	18.4
CIBA SEEDS 5175X			168.8	14.1	93.1	0.0	2.6	20.6	
STEWART HYBRIDS S-94SI			168.4	15.3	91.7	0.5	6.0	47.0	
TERRA SEED E 1168		153.4*	168.2	14.8	93.5	0.0	3.8	25.2	
PRAIRIE STREAM SX556	155.2	135.0	167.7	15.1	88.9	0.0	5.6	34.1	
ADLERS 7850	155.7*	139.6	166.9	15.2	91.7	0.0	4.5	23.5	
TERRA SEED TR1167	159.7*	140.7*	166.5	15.1	93.1	0.0	3.4	26.6	
ICI SEEDS 8281			166.4	15.2	94.0	0.0	3.1	35.1	
ASGROW RX907			166.3	15.2	89.8	0.5	4.1	29.2	
FR27 X MO17	141.8	128.4	166.0	14.1	94.0	1.0	3.2	27.5	
SO. STATES XP54003			165.8	14.5	92.6	0.5	4.9	28.3	
NORTHRUP-KING N7992			165.5	15.4	88.9	0.0	4.8	33.9	
AGRATECH 787	148.8	126.6	165.0	16.2	90.3	0.6	3.9	27.3	
PIONEER BRAND 3163			164.9	14.4	90.3	0.0	5.3	23.7	
BO-JAC 925	154.4	132.1	164.1	15.4	92.6	0.0	3.7	22.4	
BEACHLEY-HARDY HT 7748			163.7	15.3	94.4	1.5	2.3	18.1	
CROW'S 667	154.9	131.7	163.5	15.4	91.2	0.0	5.7	30.7	
CARVENDALE FM. CF 950A			162.6	15.2	92.1	0.0	3.2	26.9	
VORIS BT 7740			161.2	14.1	93.1	0.0	4.8	23.1	
AGRIGOLD A-6470		136.8	160.8	14.7	87.5	0.0	2.1	21.2	
BECK'S 72X	155.8*	127.0	158.7	14.8	90.3	1.0	6.3	44.2	
STEWART HYBRIDS S-9414			157.0	15.1	92.1	0.0	1.7	16.7	
GUTWEIN 2753			154.8	15.5	93.5	0.0	3.0	25.0	
ADLERS 6130	153.9	133.4	154.6	14.3	90.7	0.0	5.6	37.8	
COLBERT 230	154.5	129.7	153.0	13.3	92.1	1.0	2.8	21.1	
DOWELANCO XHP17194			144.4	15.7	93.5	0.0	1.7	6.3	
MEDIUM YELLOW AVERAGE	158.9	140.5	174.7	15.4	93.7	0.2	3.4	25.2	

Table 11. Annual Summary, Hopkinsville, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994	GLS 8/18 1994	GLS 8/26 1994
LATE YELLOW HYBRIDS								
ICI SEEDS 8315	165.7*	144.0*	190.6*	16.0	88.4	0.5	2.6	19.7
ICI SEEDS 8100			189.2*	18.3	93.1	0.5	0.1	6.7
PIONEER BRAND 3165	161.0*	146.8*	188.0*	19.1	92.1	0.0	1.3	10.9
SO. STATES SS943	167.5*	155.4*	187.8*	16.2	91.7	0.0	1.6	13.3
CAVERNDALE FM. CF 9314			186.7*	14.5	88.4	0.0	6.2	27.8
PIONEER BRAND 3167		140.8*	185.7*	18.2	92.1	0.0	1.4	7.7
DEKALB DK714		145.5*	179.7*	17.4	92.6	0.5	0.8	11.7
LYNK'S SEEDS 2868		143.3*	179.6*	15.6	92.1	0.0	3.2	22.7
CARGILL 8327		148.6*	179.5*	15.3	94.0	0.5	4.7	26.1
COLBERT 326	154.8	136.1	179.1*	16.3	89.4	0.0	2.4	18.8
CROW'S 702			177.6*	16.1	93.1	0.0	1.6	13.8
SO. STATES 827			176.7*	16.0	94.9	0.0	2.4	26.6
CIBA SEEDS 4714			175.7*	16.8	92.1	0.0	0.0	14.5
DEKALB DK743	153.3	133.9	175.7*	18.0	89.8	0.0	2.4	14.5
DEKALB DK668		134.7	174.1*	15.7	92.1	0.0	2.6	21.9
BEACHLEY-HARDY HT 7728			173.3*	15.4	93.1	0.0	3.9	19.5
AGRIGOLD A-6690	155.6*	136.8	173.2*	16.9	89.4	0.0	3.5	24.9
B.F. SEEDS BF 3359A			173.1*	15.7	91.2	1.0	3.0	25.9
NORTHRUP KING N7989	150.8	131.6	172.0	15.3	91.7	0.0	2.3	19.1
AGRATECH 757	153.7	132.7	171.8	15.2	89.8	0.5	2.7	15.1
TERRA SEED TR1185			171.8	16.8	91.7	1.0	3.0	21.5
MYCOGEN 8460			171.7	16.5	90.7	6.8	2.7	16.5
NORTHRUP KING N8727	147.5	129.9	171.6	17.4	91.7	0.5	4.2	31.3
B.F. SEEDS BF 3356			171.4	16.4	91.7	0.5	3.0	26.1
AGRATECH 810		136.7	171.2	15.7	92.6	1.0	3.8	26.0
CIBA SEEDS 4581			170.9	15.3	88.4	0.0	2.1	16.8
CAVERNDALE FM. CF 9418			170.8	17.1	93.1	1.4	4.1	23.8
CIBA SEEDS 4671	159.5*	135.0	169.9	16.2	90.3	0.0	2.7	26.6
SO. STATES SS883A			169.5	16.5	88.0	0.0	2.1	22.4
DOWELANCO XHP18070			169.1	17.5	89.8	0.5	0.3	8.2
COLBERT 324	151.8	122.5	168.8	15.2	86.6	0.0	2.6	19.7
MYCOGEN AG 7935	156.3*	147.6*	168.3	17.2	88.0	0.0	3.8	19.5
FR27 X PA91	151.2	133.8	167.4	17.2	92.1	0.5	6.9	51.1
BECK'S 8808			167.1	16.1	90.3	0.0	2.4	28.4
VIGORO 1184			166.4	16.5	90.3	0.5	2.8	11.9
MYCOGEN 9220	146.5	126.4	162.9	16.9	91.2	1.0	3.6	30.3
B.F. SEEDS BF 3397			162.4	18.1	90.3	0.0	1.1	11.6
VORIS EX 118-94			162.1	16.9	90.7	0.0	2.8	26.2
VORIS BT 7530		126.5	159.4	14.5	94.0	1.0	1.9	17.3
ZIMMERMAN Z21			156.5	16.1	97.2	4.3	2.4	21.9
SO. CROSS SC-412	152.0	127.2	156.2	15.7	90.7	0.0	3.1	22.8
CAVERNDALE FM. CF 953	154.5	131.2	155.8	16.3	91.2	0.5	3.0	23.9
PIONEER BRAND 3156		135.7	154.2	15.3	89.4	0.0	2.0	15.3
STEWART HYBRIDS S-9213	150.4	120.3	152.5	15.8	87.0	0.0	3.5	23.0
PRAIRIE STREAM SX752			151.5	14.7	89.4	1.0	4.6	28.9
DOWELANCO XHP18069			147.7	16.4	92.1	0.0	1.4	14.9
DOWELANCO XHP18071			139.4	17.5	92.6	1.0	0.9	9.4
LATE YELLOW AVERAGE	154.8	141.8	166.6	16.0	89.2	0.5	2.6	19.9
ALL YELLOW AVERAGE	156.8	138.5	169.4	15.5	91.5	0.3	3.0	23.8
WHITE HYBRIDS								
SO. STATES XP74184W			180.8*	14.9	88.9	0.6	3.7	26.2
CAVERNDALE FM. CF 920W			179.9*	17.8	93.5	0.0	0.5	10.0
ASGROW RX795W	152.4	140.1	178.7*	16.2	94.9	0.0	2.6	15.2
LYNK'S SEEDS 2802W			171.2	17.5	90.3	0.0	2.1	24.0
CIBA SEEDS 4652W	146.4	128.5	170.6	17.7	89.4	0.5	0.7	10.9
VINEYARD SEED V-58W	145.0	129.7	167.6	16.6	92.1	1.6	1.9	11.3
ZIMMERMAN Z64W		130.3	166.8	16.3	94.4	0.5	1.7	8.2
PIONEER BRAND 3281W	146.9	125.0	164.6	16.3	90.3	0.0	7.1	11.5
VINEYARD SEED V-453W		143.1*	164.6	15.5	90.7	0.0	2.4	28.6
DEKALB DK703W		123.4	164.3	17.8	93.5	0.0	1.7	8.4
VINEYARD SEED V-449W	154.3	138.5	164.1	17.0	89.4	0.5	3.7	14.5
ZIMMERMAN Z62W			163.8	15.1	90.3	0.0	2.7	17.0
ZIMMERMAN Z63W	143.8	129.0	154.9	18.8	91.2	0.0	1.3	10.3
SO. STATES SS757W		112.4	151.7	15.1	96.8	0.5	2.7	15.9
AGRIGOLD A-6565W		124.4	141.2	16.0	89.4	1.6	4.0	22.4
WHITE AVERAGE	148.1	129.5	165.6	16.6	91.7	0.4	2.6	15.6
GRAND AVERAGE	155.7	137.1	169.0	15.6	91.5	0.3	3.0	22.7
LSD (0.10)	15.1	15.9	19.2	1.1	5.8	1.4	2.1	10.6
C.V.			8.5	5.4	4.7	328.0	51.5	34.7

* 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 mean in that column.

Table 12. Annual Summary, Hodgenville, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
GOLDEN HARVEST H2611			157.4	22.7	74.4	0.0
PIONEER BRAND 3394	172.3	160.9	154.6	20.3	76.9	0.0
LYNK'S SEEDS 2807			153.8	20.9	80.8	1.1
SO. CROSS SC-902			148.3	19.8	69.2	0.0
ASGROW RX770			137.5	21.2	77.4	0.0
ADLER'S 6140			133.4	21.0	74.4	0.0
NORTHRUP-KING N7590			133.3	20.2	71.8	0.6
CROW'S 494			132.1	20.0	76.1	0.0
CIBA SEEDS 4494		142.0	131.8	19.6	71.8	0.0
VIGORO 1122			130.9	20.6	70.9	0.0
GOLDEN HARVEST H2530			127.5	20.2	82.5	0.0
SO. STATES SS682		134.3	125.5	23.2	73.1	0.6
NORTHRUP KING N6330	158.1	143.1	123.3	20.6	54.7	0.0
FR618 X FR600	142.6	128.7	120.2	18.8	72.6	0.6
BO-JAC 577			115.4	20.6	72.2	0.0
LYNK'S SEEDS 2759			113.7	21.6	81.6	0.0
DOWELANCO XHP17193			110.7	21.1	69.7	0.0
BEACHLEY-HARDY BH 4776			108.9	21.2	72.6	0.0
EARLY YELLOW AVERAGE	157.7	141.8	131.0	20.7	73.4	0.2
MEDIUM YELLOW HYBRIDS						
PIONEER BRAND 3245	187.2*	178.4*	183.9*	21.1	81.6	1.2
VIGORO 1204			174.9*	22.7	76.9	0.6
ZIMMERMAN Z27	182.7	164.2	173.3*	22.5	73.9	0.0
ASGROW RX923			161.2	21.2	76.5	2.8
ASGROW RX919	195.0*	179.2*	160.4	22.7	79.9	0.5
TERRA SEED E 1168		155.2	159.6	22.6	71.8	0.0
PIONEER BRAND 3140	182.4	164.4	156.8	21.6	65.8	1.3
NORTHRUP-KING N7992			156.2	22.3	68.4	0.0
DEKALB DK683		166.1	153.3	22.7	65.8	0.0
PIONEER BRAND 3163		163.0	151.6	20.5	70.1	0.7
BECK'S 72X	174.5	156.3	151.0	21.2	62.8	0.0
CIBA SEEDS 5175X			150.4	22.6	67.5	0.0
ADLERS 6130	174.8	156.6	148.5	20.5	72.6	0.0
SO. STATES XP54003			147.8	22.2	76.1	0.0
CARGILL 9027	176.2	158.2	147.5	23.3	76.9	0.0
PIONEER BRAND 3279	171.2	156.0	147.4	21.6	79.9	0.5
ICI SEEDS 8281			144.7	21.8	72.6	0.0
ADLERS 7850	171.0	141.9	142.5	21.8	73.5	0.0
GLICK SEED GH752		149.5	142.0	22.0	74.4	0.0
AGRIGOLD A-6470		142.6	140.7	21.4	73.1	0.0
COLBERT 230	170.3	147.6	140.6	20.7	71.8	0.0
TERRA SEED TR1167	168.7	145.8	139.7	22.3	76.5	0.0
CROW'S 668		150.9	139.7	22.4	70.9	0.0
FR27 X MO17	157.8	148.4	139.1	22.1	74.8	0.7
STEWART HYBRIDS S-94SI			139.1	22.0	86.3	0.0
CROW'S 667	168.5	153.2	138.1	20.9	70.9	0.0
COLBERT 279		153.5	136.9	22.8	74.4	0.0
GUTWEIN 2753			136.7	22.6	71.8	0.0
GLICK SEED GH801	171.1	145.3	136.3	22.7	79.9	0.0
BO-JAC 615			136.3	22.3	74.4	0.0
NORTHRUP-KING N8020			136.0	24.5	74.4	0.0
ZIMMERMAN Z29		161.4	135.5	23.0	72.6	0.0
BECK'S 68	170.9	151.4	135.2	22.3	75.6	0.0
GUTWEIN 2810	167.7	143.1	135.1	21.4	73.1	0.0
PRAIRIE STREAM SX556	174.2	156.9	134.3	21.9	74.8	0.0
ICI SEEDS N8340			132.9	23.7	74.4	0.0
SO. CROSS SC-612	166.8	140.5	132.0	23.8	67.9	0.0
MYCOGEN 8240		145.8	131.9	21.0	73.5	0.0
DOWELANCO XHP17194			131.0	21.8	67.5	0.0
VORIS BT 7740			130.4	20.6	69.2	0.0
AGRIGOLD A-6716			130.1	24.0	72.2	0.6
CROW'S 510		143.2	129.7	20.3	76.1	0.5
DEKALB DK646	169.0	150.0	129.5	21.9	72.6	0.0
SCOTT SEED S5263		133.6	129.1	21.9	65.0	0.0
AGRATECH 787	167.0	140.6	128.5	22.2	73.1	0.0
BO-JAC 925	168.7	148.6	126.2	23.1	73.9	1.1
BEACHLEY-HARDY HT 7748			126.1	22.2	72.6	0.0
BECK'S 7101			122.4	20.9	71.8	0.0
BO-JAC 629	159.5	136.1	121.8	22.2	69.7	0.0
STEWART HYBRIDS S-9414			120.5	22.0	74.4	0.0
ASGROW RX907			109.4	22.7	72.6	0.0
CARVENDALE FM. CF 950A			103.7	22.3	72.2	0.0
MEDIUM YELLOW AVERAGE	172.5	152.3	142.9	22.5	74.5	0.2

Table 12. Annual Summary, Hodgenville, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
DEKALB DK743	196.0*	188.9*	195.3*	25.3	78.2	1.3
PIONEER BRAND 3165	199.8*	193.0*	192.9*	23.5	74.8	0.0
SO. STATES SS943	193.7*	180.2*	173.8*	23.8	77.8	0.5
B.F. SEEDS BF 3397			168.4*	26.3	77.8	0.0
COLBERT 326	181.5	169.8	166.8	23.6	79.1	0.0
MYCOGEN 8460			166.7	23.1	70.5	0.0
VORIS BT 7530		155.9	163.5	24.2	78.6	0.0
AGRATECH 810		163.7	162.7	23.7	71.8	0.0
SO. STATES SS827			161.2	25.8	78.2	0.0
CROW'S 702			155.9	27.7	76.5	0.0
CIBA SEEDS 4671	182.5	161.6	153.5	24.1	69.7	0.0
ZIMMERMAN Z21			152.1	24.7	77.4	0.0
ICI SEEDS 8315	183.8*	165.2	151.5	23.7	65.0	0.0
BEACHLEY-HARDY HT 7728			151.1	23.1	66.7	0.0
B.F. SEEDS BF 3359A			149.8	23.5	72.6	0.0
DEKALB DK714		162.5	149.6	22.9	69.7	0.0
VIGORO 1184			148.3	23.1	72.6	0.0
STEWART HYBRIDS S-9213	177.6	153.5	148.1	23.8	74.4	0.0
CAVERNDALE FM. CF 9418			146.8	27.4	78.2	0.0
AGRIGOLD A-6690	183.7*	157.4	145.6	21.4	75.6	0.0
CIBA SEEDS 4714			143.7	24.9	72.2	0.0
SO. STATES SS883A			143.4	22.1	81.2	0.0
COLBERT 324	182.8	162.5	142.5	25.9	79.5	0.0
ICI SEEDS 8100			141.8	27.0	70.1	0.0
PIONEER BRAND 3167		174.9*	141.2	25.9	79.9	0.0
B.F. SEEDS BF 3356			139.8	22.1	70.9	0.6
DOWELANCO XHP18071			139.6	25.8	71.4	0.0
FR27 X PA91	174.9	152.9	138.3	22.4	73.5	3.5
BECK'S 8808			137.8	23.4	67.9	0.6
VORIS EX 118-94			137.8	23.6	73.9	0.0
DEKALB DK668		151.4	137.5	26.8	61.1	0.0
LYNK'S SEEDS 2868		161.7	136.3	22.6	67.5	0.0
NORTHRUP KING N7989	178.1	157.3	135.8	23.5	67.5	0.0
SO. CROSS SC-412	158.5	138.8	135.8	23.3	67.5	0.0
CIBA SEEDS 4581			135.8	23.2	71.8	0.0
MYCOGEN 9220	166.6	142.9	133.2	26.5	66.7	0.0
PIONEER BRAND 3156		145.4	131.1	24.7	70.1	0.0
CAVERNDALE FM. CF 9314			130.3	24.0	74.8	0.0
MYCOGEN AG 7935	164.6	143.2	128.6	21.5	66.2	0.0
NORTHRUP KING N8727	177.1	155.0	128.1	21.6	70.9	0.0
CARGILL 8327		147.3	128.0	24.8	73.5	0.0
DOWELANCO XHP18069			127.2	26.2	68.8	0.0
DOWELANCO XHP18070			126.4	26.5	65.0	0.0
AGRATECH 757	161.3	133.8	124.2	24.0	73.9	0.6
PRAIRIE STREAM SX752			123.8	26.5	72.2	0.0
TERRA SEED TR1185			122.0	22.3	73.5	1.7
CAVERNDALE FM. CF 953	165.0	142.4	120.2	24.1	68.4	0.0
LATE YELLOW AVERAGE	178.1	165.0	141.9	23.7	70.9	0.2
ALL YELLOW AVERAGE	173.7	153.9	140.7	22.8	72.9	0.2
WHITE HYBRIDS						
ZIMMERMAN Z64W		183.6*	177.4*	24.7	78.6	0.0
CIBA SEEDS 4652W	187.0*	180.9*	173.2*	24.9	73.9	0.0
ZIMMERMAN Z63W	174.1	160.7	170.9*	25.0	66.2	0.8
ZIMMERMAN Z62W			167.8	22.6	70.9	0.0
CAVERNDALE FM. CF 920W			165.8	24.4	79.5	0.0
PIONEER BRAND 3281W	180.1	163.3	164.4	22.8	75.6	0.0
SO. STATES SS757W		153.2	163.2	21.9	71.8	0.0
DEKALB DK703W		166.4	158.0	22.6	70.9	0.0
LYNK'S SEEDS 2802W			150.7	22.8	71.8	0.5
AGRIGOLD A-6565W		151.1	144.5	22.4	77.4	0.0
SO. STATES XP74184W			144.4	21.5	70.5	1.2
ASGROW RX795W	166.8	147.4	143.5	21.5	69.2	0.0
VINEYARD SEED V-58W	166.8	159.8	143.1	23.7	71.8	0.0
VINEYARD SEED V-453W		149.6	142.4	21.6	76.5	0.0
VINEYARD SEED V-449W	154.1	134.4	125.8	23.5	76.1	0.0
WHITE AVERAGE	171.5	159.1	155.7	23.1	73.4	0.2
GRAND AVERAGE	173.4	154.7	142.4	22.8	73.0	0.2
LSD (0.10)	16.4	19.8	27.2	2.7	9.9	0.9
C.V.			14.2	8.8	10.1	340.6

* 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 mean in that column.

Table 13. Annual Summary, Lexington, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
CROW'S 494			155.4*	19.6	100.0	0.5
LYNK'S SEEDS 2807			153.6*	19.2	94.9	1.0
ADLER'S 6140			144.2	19.6	83.8	0.0
BO-JAC 577			142.6	19.7	94.4	0.0
FR618 X FR600	137.7	130.1	140.3	20.0	88.0	0.0
CIBA SEEDS 4494		143.8	136.9	19.8	99.5	0.5
PIONEER BRAND 3394	156.6	143.5	135.4	19.8	94.0	0.5
SO. STATES SS682		145.1*	135.2	18.6	90.3	0.0
BEACHLEY-HARDY BH 4776			134.5	18.6	88.9	0.5
ASGROW RX770			130.7	20.2	91.2	0.5
NORTHRUP-KING N7590			128.4	20.6	90.3	1.5
GOLDEN HARVEST H2611			124.5	20.4	95.4	0.0
VIGORO 1122			120.7	19.6	82.9	0.0
SO. CROSS SC-902			119.7	18.9	90.7	0.0
NORTHRUP KING N6330	142.1	124.2	118.4	18.7	82.9	0.0
GOLDEN HARVEST H2530			115.9	19.0	93.5	0.5
DOWELANCO XHP17193			103.4	18.6	80.1	0.0
LYNK'S SEEDS 2759			84.9	19.2	95.8	0.0
EARLY YELLOW AVERAGE	145.5	137.3	129.1	19.4	85.4	0.3
MEDIUM YELLOW HYBRIDS						
VIGORO 1204			174.5*	21.5	86.6	0.0
ASGROW RX919	174.3*	149.4*	170.0*	22.5	96.8	0.0
NORTHRUP-KING N7992			170.0*	19.6	92.1	0.0
ASGROW RX923			164.2*	23.2	98.6	0.5
ASGROW RX907			163.1*	20.0	89.4	0.5
BO-JAC 615			162.3*	20.7	94.0	0.0
CROW'S 668		146.8*	162.0*	20.6	86.1	0.0
CARGILL 9027	167.7*	153.9*	161.0*	20.6	88.4	0.0
DEKALB DK683		159.8*	160.6*	20.5	81.5	0.6
TERRA SEED TR1167	152.7	147.7*	159.9*	21.3	91.7	0.0
ADLERS 6130	166.9*	159.6*	156.3*	20.2	90.3	0.0
CIBA SEEDS 5175X			155.4*	20.4	91.2	0.0
BO-JAC 629	168.0*	155.6*	154.3*	20.0	86.6	0.0
GUTWEIN 2810	157.0	139.9	154.1*	20.6	94.0	0.0
BEACHLEY-HARDY HT 7748			154.0*	22.4	82.9	0.0
PRAIRIE STREAM SX556	163.1*	144.9	153.4*	21.4	90.7	0.0
ZIMMERMAN Z27	152.6	141.6	153.3*	21.3	95.8	0.0
BECK'S 72X	173.6*	156.5*	153.2*	20.6	91.2	1.6
PIONEER BRAND 3140	172.4*	163.7*	151.7	20.5	90.3	6.1
AGRATECH 787	164.6*	152.8*	149.8	21.8	93.1	0.0
MYCOGEN 8240		150.0*	148.0	21.1	88.9	0.5
NORTHRUP-KING N8020			147.8	20.2	92.6	0.0
SO. STATES XP54003			147.8	20.8	93.5	0.5
STEWART HYBRIDS S-9414			147.5	20.4	84.3	0.0
DEKALB DK646	161.4*	149.2*	145.4	19.3	94.4	0.0
AGRIGOLD A-6716			144.0	22.0	89.4	0.0
COLBERT 279		146.3*	143.9	20.6	92.1	0.0
ICI SEEDS 8281			143.8	20.8	97.7	0.0
SCOTT SEED S5263		136.2	142.3	20.4	86.1	0.5
VORIS BT 7740			141.3	18.8	88.9	0.0
ZIMMERMAN Z29		140.2	141.1	20.5	87.0	0.0
PIONEER BRAND 3245	151.9	143.4	139.7	20.2	98.6	0.0
PIONEER BRAND 3279	158.6	133.5	138.1	19.2	89.4	0.5
PIONEER BRAND 3163		155.9*	138.1	20.4	93.5	0.5
TERRA SEED E 1168		147.2*	136.6	21.3	80.1	0.0
AGRIGOLD A-6470		132.0	135.4	20.7	89.4	0.0
COLBERT 230	147.9	135.3	135.1	19.0	95.4	0.5
BECK'S 7101			135.0	21.3	87.5	0.0
STEWART HYBRIDS S-94SI			133.4	21.8	100.0	0.0
CARVENDALE FM. CF 950A			131.9	20.4	81.9	1.0
CROW'S 510		140.6	131.6	20.0	93.5	0.0
CROW'S 667	155.6	146.1*	131.1	20.0	84.3	0.5
ICI SEEDS N8340			130.1	19.4	85.6	0.0
BO-JAC 925	155.9	135.9	129.0	21.1	92.1	0.0
DOWELANCO XHP17194			129.0	20.1	87.5	0.0
GUTWEIN 2753			126.0	22.3	84.7	0.0
GLICK SEED GH801	148.6	137.9	122.5	20.3	89.4	0.0
BECK'S 68	151.9	129.0	122.0	20.5	89.8	0.0
FR27 X MO17	127.1	122.7	119.2	19.4	87.0	1.6
ADLERS 7850	153.4	141.0	118.1	21.7	84.7	0.0
SO. CROSS SC-612	144.8	129.1	117.0	21.0	90.7	0.5
GLICK SEED GH752		121.6	109.2	20.8	86.6	0.0
MEDIUM YELLOW AVERAGE	157.7	143.8	146.7	21.1	89.8	0.3

Table 13. Annual Summary, Lexington, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
PIONEER BRAND 3165	163.5*	153.1*	173.8*	21.3	100.0	1.9
PIONEER BRAND 3167		143.6	169.5*	22.4	98.6	2.3
SO. STATES SS943	170.1*	161.0*	165.7*	21.4	92.1	0.0
AGRATECH 757	162.6*	151.4*	165.3*	20.6	91.7	0.0
CAVERNDALE FM. CF 9418			164.1*	21.2	80.1	0.0
B.F. SEEDS BF 3397			162.7*	22.3	94.4	1.5
CIBA SEEDS 4714			162.7*	21.8	94.4	0.0
MYCOGEN 8460			161.4*	21.3	94.0	0.5
NORTHRUP KING N8727	154.0	145.6*	161.1*	21.2	94.9	0.5
DEKALB DK743	178.1*	158.0*	160.9*	21.3	85.6	0.0
VORIS EX 118-94			159.2*	22.3	90.3	0.5
TERRA SEED TR1185			158.4*	19.9	93.5	0.5
COLBERT 326	157.2	147.0*	157.2*	21.0	91.7	0.0
BEACHLEY-HARDY HT 7728			155.0*	22.3	90.3	0.0
CROW'S 702			154.5*	21.9	92.6	0.5
MYCOGEN AG 7935	154.8	140.7	152.4*	21.0	72.7	2.1
FR27 X PA91	160.1*	154.4*	151.9*	22.7	85.2	1.5
BECK'S 8808			151.4	21.8	92.1	1.0
ICI SEEDS 8315	157.4	150.7*	151.1	20.8	93.5	0.0
CAVERNDALE FM. CF 9314			147.1	21.6	92.6	0.0
SO. CROSS SC-412	152.7	145.9*	146.9	21.5	81.5	0.0
SO. STATES SS827			145.7	20.0	84.3	0.0
PIONEER BRAND 3156		153.1*	144.7	21.4	94.0	0.5
B.F. SEEDS BF 3356			144.5	22.4	82.4	1.0
NORTHRUP KING N7989	152.0	138.3	143.7	20.1	89.8	0.0
DEKALB DK714		146.5*	140.4	20.7	90.7	1.5
DEKALB DK668		134.6	140.3	20.7	90.3	0.0
PRAIRIE STREAM SX752			139.2	21.1	94.4	0.0
CIBA SEEDS 4581			139.1	22.8	99.1	0.0
AGRATECH 810		134.3	138.8	21.5	92.6	0.0
LYNK'S SEEDS 2868		150.2*	138.5	21.6	97.7	0.0
VIGORO 1184			137.5	20.8	86.1	0.0
CIBA SEEDS 4671	165.5*	149.9*	137.1	21.4	90.3	1.6
MYCOGEN 9220	167.2*	148.7*	136.6	23.3	78.7	0.5
COLBERT 324	151.7		137.3	21.9	92.1	0.0
CAVERNDALE FM. CF 953	151.1	136.3	135.1	20.1	74.1	0.6
STEWART HYBRIDS S-9213	158.4	149.4*	134.6	21.5	92.6	0.5
B.F. SEEDS BF 3359A			134.4	22.2	87.5	0.0
AGRIGOLD A-6690	151.1	142.1	133.6	20.9	87.0	0.0
CARGILL 8327		147.8*	132.2	20.7	82.9	0.5
ZIMMERMAN Z21			132.1	22.2	92.1	0.0
SO. STATES SS883A			132.0	23.0	95.4	0.5
ICI SEEDS 8100			132.0	23.6	96.8	0.0
DOWELANCO XHP18071			131.3	21.6	81.5	0.5
VORIS BT 7530		132.2	121.4	22.1	81.0	0.0
DOWELANCO XHP18070			117.1	23.1	81.9	1.0
DOWELANCO XHP18069			99.6	23.0	81.9	0.0
LATE YELLOW AVERAGE	159.3	152.2	142.3	21.1	87.5	0.4
ALL YELLOW AVERAGE	157.5	144.2	142.2	20.9	89.9	0.4
WHITE HYBRIDS						
CIBA SEEDS 4652W	163.7*	152.2*	154.4*	22.9	91.2	0.5
VINEYARD SEED V-453W		155.4*	152.8*	20.4	94.4	0.0
VINEYARD SEED V-58W	163.3*	144.5	147.2	21.6	89.8	0.0
CAVERNDALE FM. CF 920W			143.9	22.4	82.4	0.0
ZIMMERMAN Z64W		141.3	143.4	21.5	94.0	0.5
ASGROW RX795W	155.7	144.2	142.9	20.8	94.4	1.0
ZIMMERMAN Z62W			141.9	20.5	95.4	0.0
PIONEER BRAND 3281W	157.0	140.6	140.4	20.8	92.6	0.0
AGRIGOLD A-6565W		140.4	133.5	20.5	85.6	0.5
VINEYARD SEED V-449W	153.4	141.2	129.1	20.9	90.3	0.0
LYNK'S SEEDS 2802W			129.0	22.2	91.2	0.0
ZIMMERMAN Z63W	151.7	134.3	128.4	23.6	87.5	3.4
SO. STATES SS757W		131.7	125.7	21.8	90.3	1.1
DEKALB DK703W		145.5*	123.2	20.9	81.0	0.7
SO. STATES XP74184W			116.1	19.8	81.9	0.0
WHITE AVERAGE	157.7	142.8	136.8	21.4	89.5	0.5
GRAND AVERAGE	157.5	144.0	141.6	20.9	89.8	0.4
LSD (0.10)	18.8	18.6	22.6	1.7	7.4	1.7
C.V.			11.9	5.7	6.2	336.1

* 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 mean in that column.

Table 14. Annual Summary, Quicksand, KY

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AVG % STAND 1994	TOT % LODGED 1994
EARLY YELLOW HYBRIDS						
PIONEER BRAND 3394	163.4	164.0	185.2*	15.8	98.6	2.8
LYNK'S SEEDS 2807			181.9*	16.5	97.2	6.2
ASGROW RX770			174.0*	16.6	96.3	24.9
CROW'S 494			169.4	16.7	95.4	16.5
BO-JAC 577			169.3	17.0	93.5	7.8
NORTHROP-KING N7590			165.5	16.4	97.2	34.2
ADLER'S 6140			164.5	16.2	98.6	6.6
GOLDEN HARVEST H2611			159.3	15.6	88.0	12.2
SO. CROSS SC-902			157.6	17.3	94.4	8.2
FR618 X FR600	146.6	150.7	156.7	18.0	97.2	29.5
NORTHROP KING N6330	148.7	142.1	151.8	17.5	97.2	41.4
CIBA SEEDS 4494		138.5	151.5	16.3	97.7	21.1
GOLDEN HARVEST H2530			150.0	16.3	94.4	14.9
BEACHLEY-HARDY BH 4776			149.2	17.9	97.2	13.7
VIGORO 1122			141.2	16.2	96.3	16.9
SO. STATES SS682		138.1	134.3	16.8	94.0	28.9
DOWELANCO XHP17193			122.5	16.7	91.7	4.7
LYNK'S SEEDS 2759			121.5	16.8	97.7	1.9
EARLY YELLOW AVERAGE	152.9	146.7	155.8	16.7	95.7	16.2
MEDIUM YELLOW HYBRIDS						
BEACHLEY-HARDY HT 7748			190.5*	16.3	95.4	10.0
COLBERT 230	170.4*	171.9*	188.9*	17.5	97.2	10.5
PIONEER BRAND 3279	173.3*	170.1*	183.0*	16.7	97.7	4.8
CIBA SEEDS 5175X			181.5*	18.4	94.9	4.1
ASGROW RX923			174.9*	15.5	96.8	30.2
CARGILL 9027	167.5	166.2	174.1*	17.4	98.6	8.8
ASGROW RX919	177.4*	170.4*	174.1*	15.6	98.6	29.7
PIONEER BRAND 3140	175.7*	168.0*	173.3*	17.5	93.1	23.1
GLICK SEED GH752			162.6	17.6	96.8	1.9
BO-JAC 629	176.1*	179.7*	171.1	16.8	96.8	5.7
BECK'S 68	156.6	157.4	170.5	17.1	94.0	3.0
ASGROW RX907			170.2	17.9	88.4	20.9
NORTHROP-KING N8020			169.1	15.7	96.3	6.3
AGRATECH 787	159.9	157.5	169.0	17.0	94.4	19.7
SO. CROSS SC-612	155.2	159.0	168.9	17.0	95.8	0.0
AGRIGOLD A-6716			167.0	17.9	92.6	6.1
ADLERS 7850	168.3	166.0	166.6	16.6	95.8	0.0
FR27 X M017	150.4	156.1	165.3	16.4	96.8	17.8
COLBERT 279		156.1	164.8	18.3	96.8	23.2
CARVENDALE FM. CF 950A			163.0	16.4	91.2	14.0
PIONEER BRAND 3245	168.5*	159.1	162.1	18.1	95.4	9.4
VIGORO 1204			161.4	19.5	95.4	0.5
ADLERS 6130	163.0	162.1	160.6	17.8	95.4	2.8
PIONEER BRAND 3163		162.5	160.3	19.6	90.3	18.0
BECK'S 7101			159.9	16.6	94.0	2.9
NORTHROP-KING N7992			159.2	18.0	97.7	26.8
ICI SEEDS 8281			159.2	18.5	95.8	23.8
TERRA SEED E 1168		154.5	159.1	17.4	98.1	16.0
SO. STATES XP54003			158.5	17.0	95.8	3.4
ICI SEEDS N8340			158.3	16.2	95.8	5.9
DEKALB DK683		170.3*	156.9	18.2	94.9	11.3
CROW'S 667	155.8	154.4	156.2	16.8	94.0	8.9
DEKALB DK646	159.6	152.8	154.0	16.4	95.8	2.4
CROW'S 668		151.7	153.0	16.9	89.8	4.4
ZIMMERMAN Z29		166.5	151.3	18.5	95.8	28.1
CROW'S 510		149.0	151.2	16.2	96.8	1.0
PRAIRIE STREAM SX556	153.9	155.1	151.2	16.9	96.8	1.0
STEWART HYBRIDS S-94SI			148.5	18.4	99.5	4.2
MYCOGEN 8240		154.1	148.2	17.1	90.7	3.1
TERRA SEED TR1167	161.2	156.9	148.0	18.9	95.4	4.1
GUTWEIN 2753			147.4	18.3	94.9	5.5
BO-JAC 615			147.4	16.3	96.8	21.0
GLICK SEED GH801	151.7	151.5	145.9	17.4	95.4	3.0
BO-JAC 925	154.7	146.4	142.6	17.1	96.3	3.8
DOWELANCO XHP17194			140.2	17.4	97.2	1.9
ZIMMERMAN Z27	146.3	142.6	138.9	17.5	97.2	14.8
SCOTT SEED S5263		149.1	138.1	18.7	96.8	21.7
AGRIGOLD A-6470		139.7	129.4	16.6	98.1	9.7
STEWART HYBRIDS S-9414			127.2	17.0	98.1	2.8
BECK'S 72X	150.1	143.4	124.7	18.2	94.9	13.9
VORIS BT 7740			120.5	16.9	92.1	1.5
GUTWEIN 2810	147.2	133.6	118.8	17.0	94.4	11.1
MEDIUM YELLOW AVERAGE	161.0	157.5	160.7	17.7	97.3	10.4

Table 14. Annual Summary, Quicksand, KY (continued)

BRAND/HYBRID	YIELD BU/AC 92-94	YIELD BU/AC 93-94	YIELD BU/AC 1994	AVG % MOIST 1994	AAVG % STAND 1994	TOT % LODGED 1994
LATE YELLOW HYBRIDS						
SO. STATES SS943	186.2*	184.2*	209.2*	19.6	97.7	3.8
CROW'S 702			201.6*	17.8	97.7	7.5
SO. STATES SS883A			201.1*	17.6	94.0	4.3
BEACHLEY-HARDY HT 7728			192.5*	17.3	97.2	15.4
DEKALB DK743	188.2*	189.5*	189.9*	18.8	94.0	15.1
CIBA SEEDS 4714			189.1*	18.0	95.8	3.5
DEKALB DK714		167.2	186.0*	17.9	96.8	7.6
VORIS EX 118-94			185.8*	17.6	98.1	8.5
SO. STATES 827			184.9*	17.7	96.8	2.8
MYCOGEN 8460			183.4*	17.9	94.0	15.9
CIBA SEEDS 4671	177.6*	170.6*	183.3*	18.3	95.8	16.9
PIONEER BRAND 3167		163.7	183.1*	18.5	98.1	5.2
DOWELANCO XHP18070			173.5*	19.2	96.8	4.4
B.F. SEEDS BF 3397			173.0*	19.5	97.2	4.7
ICI SEEDS 8100			172.7*	19.8	95.8	1.5
COLBERT 324	163.8	161.8	172.0	18.7	100.0	4.2
COLBERT 326	173.2*	162.1	171.5	17.4	99.1	14.7
CAVERNDALE FM. CF 953	159.9	160.6	171.4	18.5	98.6	0.9
CARGILL 8327		161.0	171.0	17.4	96.8	4.8
CAVERNDALE FM. CF 9418			170.2	18.8	92.6	31.3
LYNK'S SEEDS 2868		161.5	167.6	18.1	97.2	3.8
TERRA SEED TR1185			167.4	19.9	94.0	38.6
NORTHRUP KING N8727	172.2*	170.2*	167.3	18.2	94.4	0.5
AGRATECH 810		151.6	167.0	16.9	95.4	5.3
PIONEER BRAND 3165	165.0	163.4	162.2	17.2	98.1	22.7
SO. CROSS SC-412	159.2	156.4	157.4	16.8	93.5	4.9
FR27 X PA91	154.3	160.1	156.5	19.5	94.0	19.6
AGRATECH 757	160.3	155.7	156.2	17.9	97.2	11.3
DOWELANCO XHP18069			155.0	18.1	94.0	2.9
ZIMMERMAN Z21			154.6	18.1	89.4	8.7
DOWELANCO XHP18071			153.0	19.0	94.9	3.1
CAVERNDALE FM. CF 9314			152.2	18.6	96.8	12.0
ICI SEEDS 8315	156.8	152.0	148.1	20.1	96.8	25.4
AGRIGOLD A-6690	163.9	169.5*	146.9	18.8	97.2	11.4
STEWART HYBRIDS S-9213	161.2	154.5	146.7	18.0	94.9	0.9
BECK'S 8808			146.5	17.1	94.4	12.7
MYCOGEN AG 7935	149.3	144.8	146.3	18.4	94.9	25.1
B.F. SEEDS BF 3359A			144.9	17.5	94.4	10.9
NORTHRUP KING N7989	150.9	142.3	143.2	19.0	94.9	16.2
DEKALB DK668		154.7	140.7	18.2	98.1	0.9
VIGORO 1184			139.6	19.5	96.8	7.1
PRAIRIE STREAM SX752			139.4	17.3	97.2	7.6
B.F. SEEDS BF 3356			135.3	16.6	91.7	9.5
CIBA SEEDS 4581			132.8	18.2	96.3	25.5
MYCOGEN 9220	155.1	137.7	129.2	19.4	88.9	6.9
VORIS BT 7530		130.4	117.9	17.7	90.7	7.7
PIONEER BRAND 3156		132.2	117.7	18.2	95.4	2.4
LATE YELLOW AVERAGE	164.5	158.3	159.7	17.9	91.7	10.4
ALL YELLOW AVERAGE	161.9	156.9	159.5	17.6	95.6	11.1
WHITE HYBRIDS						
ZIMMERMAN Z63W	179.6*	182.2*	194.9*	18.3	96.3	11.6
ZIMMERMAN Z64W		177.0*	186.4*	18.4	93.1	6.8
ZIMMERMAN Z62W			184.8*	16.4	94.9	14.0
CIBA SEEDS 4652W	167.6	168.4*	178.7*	19.3	94.0	7.3
CAVERNDALE FM. CF 920W			166.8	20.6	95.8	34.3
SO. STATES SS757W		153.9	164.9	17.6	94.4	4.8
LYNK'S SEEDS 2802W			160.4	18.6	95.4	10.9
DEKALB DK703W		156.8	155.1	17.2	96.3	2.0
ASGROW RX795W	164.5	158.6	154.7	17.6	97.2	7.6
AGRIGOLD A-6565W		162.2	149.1	19.7	90.3	6.6
VINEYARD SEED V-58W	148.7	141.1	139.3	19.3	94.0	1.9
SO. STATES XP74184W			138.7	17.2	97.2	7.5
PIONEER BRAND 3281W	150.8	144.1	138.3	17.8	95.8	0.0
VINEYARD SEED V-449W	126.7	129.8	136.8	16.4	94.9	15.7
VINEYARD SEED V-453W		140.9	122.1	18.6	96.8	1.0
WHITE AVERAGE	156.3	155.9	158.1	18.2	95.1	8.8
GRAND AVERAGE	161.2	156.8	159.3	17.7	95.5	10.8
LSD (0.10)	19.8	21.6	36.7	1.9	5.1	17.4
C.V.			17.2	7.8	4.0	120.0

* 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 mean in that column.



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