

2003 Kentucky Hybrid Corn Performance Test

William L. Pearce, Ron W. Curd, and Dr. Chad Lee

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 2003 data are 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 4E-1YR, 4E-2YR, 4E-3YR, 5M-1YR, 5M-2YR, 5M-3YR, 6L-1YR, 6L-2YR, 6L-3YR, 7W-1YR, 7W-2YR, and 7W-3YR) because these are better estimates of a hybrid's yield ability than data gathered at one location in one year.

Comparisons between yields and 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 in one maturity group test with another grown at a different location and of the same or different maturity group test. Hybrids are grouped into early, medium-, late-, and white-maturity groups based on days to maturity classification provided by the parent company. Also, those hybrids that yield equally as high as the highest yielding hybrid, based on statistical evaluation, are indicated by an asterisk. See the "Experimental Design and Mean Comparisons" and "Hybrid 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 2004. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company. Each company was given the opportunity to enter hybrids into the early (112 days to maturity or earlier), medium (113-117 days to maturity), late (118 days to maturity or later) and/or white (112-118 days to maturity) tests. The days-to-maturity classifications were made by the parent companies.

Location of Tests

The map below shows the test locations. The test sites were selected to represent different agroclimatic areas of the state where corn is a major commodity.

Cultural Practices

The Hopkinsville, Fulton, Lewisport, Hodgenville, and Lexington test locations were planted no-till in soybean residues. The Princeton test was planted no-till in wheat stubble. The Quicksand test was planted in conventionally tilled seedbeds following a cover crop of rye. Fertilizer was applied as indicated by soil tests.

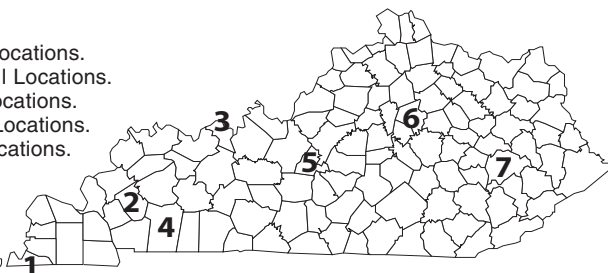
All test areas were treated with herbicide(s) and supplemented by post-emergence cultivation and/or herbicide when necessary. Force was applied in the row at planting to control corn rootworms. Table 3 shows the specific cultural treatment for each location and includes notes about the growing season.

List of Tables

- Table 1. Precipitation at Test Locations 2003.
- Table 2. Hybrids Tested in 2003.
- Table 3. Agronomic Information for 2003 Test Locations.
- Table 4. Early Hybrids, Annual, Two-Year, and Three-Year Summaries, All Locations.
- Table 5. Medium Hybrids, Annual, Two-Year, and Three-Year Summaries, All Locations.
- Table 6. Late Hybrids, Annual, Two-Year, and Three-Year Summaries, All Locations.
- Table 7. White Hybrids, Annual, Two-Year, and Three-Year Summaries, All Locations.
- Table 8. Annual Summary, Chemical Composition, E,L,M,W Hybrids, All Locations.
- Table 9. Annual Summary, Fulton, E,L,M,W Hybrids (map position 1).
- Table 10. Annual Summary, Princeton, L,W Hybrids (map position 2).
- Table 11. Annual Summary, Lewisport, E Hybrids (map position 3).
- Table 12. Annual Summary, Hopkinsville, E,L,M,W Hybrids (map position 4).
- Table 13. Annual Summary, Hodgenville, E,L,M,W Hybrids (map position 5).
- Table 14. Annual Summary, Lexington, E,L,M,W Hybrids (map position 6).
- Table 15. Annual Summary, Quicksand, E,L,M,W Hybrids (map position 7).
- Table 16A. Yield Summary, High Oil Test, Lewisport (map position 3).
- Table 16B. Yield Summary, High Oil Test, Fulton (map position 1).
- Table 16C. Yield Summary, High Oil Test, Lexington (map position 6).
- Table 16D. Annual Summary, High Oil Test, All Locations.
- Table 16E. Two-Year 2002-2003 Summary, High Oil Test, Lewisport and Fulton.
- Table 16F. Three-Year 2001-2003 Summary, High Oil Hybrids, Lewisport and Fulton.
- Table 16G. Annual Summary, High Oil Hybrids, Chemical Composition, Lexington (map position 6).

E=Early, M=Medium, L=Late, W=White

Locations of the 2003 Hybrid Corn Performance Test



Experimental Design and Mean Comparisons

Each hybrid was grown in three replications 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 two-year and three-year means are averages of six and nine replications, respectively. A randomized complete block (RCB) design was used for each maturity group test at each 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. Consider the following example:

Variety	Yield (bu/ac)
A	135
B	125
C	110

LSD (0.10) = 12.0

The deviation between variety A and variety B is 10 bu/ac (135-125=10). The difference is smaller than the LSD (12 bu/ac). We can thus infer with reasonable confidence that varieties A and B have the same yield in this test. However, the difference between varieties A and C is 25 bu/ac (135-110=25), which is larger than the LSD (12 bu/ac). Therefore, we can infer that variety A yielded more than variety C in this test. "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 indicates that those means followed by an asterisk do not differ by more than one LSD.

The C.V. expresses the amount of variation as a percentage of the hybrid mean. A low C.V. indicates little unexplained variation and more precise results.

Planting

All plots were planted with a John Deere vacuum, two-row, no-till planter modified for small plot work. The planter boxes were replaced by modified planting cones that allowed placement of a specified number of kernels per plot. Each plot consisted of two rows 30 inches apart and 22 feet long. Each plot was planted with 40 seeds/row. When seedlings were 12 to 18 inches tall, the plots were thinned to 33 plants/row, which equals a plant population of 26,000 plants/acre.

Harvesting

All plots were harvested with a Massey Ferguson MF 8-XP two-row 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 were temporarily stored in a portable data logging device prior to transfer to a computer at Lexington. Yields were calculated for grain at 56 pounds per bushel and adjusted to 15.5% moisture. Test weight also was provided by the electronic weighing device. The test weight reported in each annual table for any hybrid is not corrected for harvest moisture and is reported at the moisture content for that hybrid listed in that table. Dropped ears were not gleaned from the plots.

The total number of lodged plants was recorded immediately prior to harvest. Also at harvest, selected plots were observed to indicate apparent European corn borer damage by counting the number of broken tops per plot (personal communication, Dr. Ric Bessin, Department of Entomology, University of Kentucky). Corn borer damage was most severe at the Lewisport location and was minor at the other locations. In general, Bt hybrids had less apparent corn borer damage than non-Bt hybrids.

Chemical Analysis of the Early, Medium, and Late Tests

Chemical composition was measured from one replication of each early, medium-, late-, and white-maturity test at each location. These samples were analyzed by the Kentucky Grain Quality Laboratory at Lexington¹ using Near Infrared Reflection Spectroscopy (NIRS). The NIRS analysis provided evaluation of protein, starch, and oil and is presented in Table 8 for grain at 0% moisture.

Since grain used in feed rations contains some moisture, the composition variables provided in Tables 8 and 16 should possibly be used at a moisture content that is different from the 0% shown in Tables 8 and 16. To convert to a suitable moisture content, for example 15% moisture, multiply the values in Tables 8 or 16 by 0.85. For any other moisture content, multiply the values by $(100 - \% \text{ moisture})/100$.

High Oil Tests

High oil hybrid blends (TC High Oil Blend®) were tested at three locations. The yield and composition information will be useful to farmers feeding high oil (high energy) grain to livestock and to those participating in the high oil, value-added grain market. The tests had nine entries at three locations with three replications per location. The three-location average yield data are available in Table 16D. A 20- to 25-plant, hand-pollinated sample from each replication of the Lexington test was analyzed for chemical composition. The grain was analyzed by Wei Chen in the Grain Quality Laboratory, located in the Biosystems and Agricultural Engineering Building, under the direction of Dr. Michael Montross, using NIRS.

The chemical composition values presented in Table 16G are given for grain at 0% moisture.

¹ The Grain Quality Laboratory is a service provided by the University of Kentucky Agronomy Department with funding from the Kentucky Corn Growers Association.

Hybrid Comparisons

The Kentucky Hybrid Corn Performance Test was grouped into four tests: early, medium-, and late-maturities and white hybrids. These divisions provide evaluations of the four hybrid groups without competition biases. Although the divisions reduce biases, it does not allow for comparisons across maturity groups. For example, a hybrid in the early test cannot be compared to a hybrid in the late test. The four tests were grown at all seven locations for a total of 28 tests.

The early maturity hybrid group in Table 4E and all subsequent “E” tables are those hybrids rated by the parent seed company to mature in 112 days or earlier.

The medium-maturity hybrid group in Table 4M and all subsequent “M” tables include those hybrids rated by the parent seed company to mature in 113-117 days.

The late-maturity hybrid group in Table 4L and all subsequent “L” tables include those hybrids rated by the parent seed company to mature in 118 days or later.

The white hybrid group in Table 4W and all subsequent “W” Tables include those hybrids rated by the parent seed company to mature in 112-118 days.

The open-pedigree hybrids were included in each early, medium, and late test, respectively, to provide an internal evaluation of hybrid maturity. The seed of these hybrids was obtained from Illinois Foundation Seeds, Inc., at Champaign, Illinois.

Notes about the 2003 growing season follow Table 3.

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.

Acknowledgments

The authors sincerely appreciate the efforts of the Kentucky Corn Growers Association in helping us upgrade plot equipment. A Massey Ferguson MF 8-XP combine was leased to the corn project at minimal cost by the Kentucky Corn Promotion Council of the Kentucky Corn Growers Association. This combine contributed to improved accuracy of the data.

The authors are also grateful to Dr. Michael Montross, Wei Chen (research analyst) and the Kentucky Corn Growers Association for the Grain Quality Laboratory, which processed more than 900 grain samples. The authors are also grateful to the following farmer-cooperators who not only provided land for testing but helped with the tests throughout the growing season: Rob and Robert Garrigan and family of Fulton, Jim Shelton of Hopkinsville, Steve Sheffer and family of Hodgenville and Steve and Shelby Emmick and family of Lewisport.

The authors also acknowledge the statistical and programming support of Dr. Paul L. Cornelius and Danny Walls of the UK Agronomy Department.

Additional acknowledgments are made to the following people who helped conduct this year's performance test.

- Richard C. Green, Research Technician, Department of Agronomy, Lexington
- Dr. Morris J. Bitzer, Research Specialist in Grain Crops, Lexington
- Dr. James Herbek, Extension Specialist in Grain Crops, Research and Extension Center, Princeton
- Donnie Davis, Superintendent, and Royce Burchett, Farm Manager, Research and Education Center, Princeton
- David Ditsch, Superintendent, and William Bowling, Farm Manager, Robinson Substation, Quicksand
- Dennis Duross, Extension Communications Specialist, and Terri McLean, Editor, Agricultural Communications, Lexington
- Cam Kenimer, Extension Agent, Fulton County
- James Stone, Extension Agent, Christian County
- Diane Perkins, Extension Agent, Hancock County
- David Harrison, Extension Agent, LaRue County

TABLE 1. PRECIPITATION AT TEST LOCATIONS, 2003

Month	Days	Location						
		Fulton	Princeton	Lewisport	Hodgenville	Lexington	Quicksand	Hopkinsville
April	1-8	3.05	1.52	1.04	1.94	1.11	1.66	1.95
	9-16	0.50*	0.32	0.70	1.27	0.49	1.51	1.03*
	17-24	0.90	1.54*	1.76	1.66	1.50	1.53	2.28
	25-30	1.40	3.61	2.49	0.89	1.00*	0.32	3.32
	Total	5.85	6.99	5.99	5.76	4.10	5.02	8.58
May	1-8	3.10	2.47	3.35	3.30	2.70	1.75	4.16
	9-16	1.50	0.31	1.19	2.62	3.69	2.41*	0.20
	17-24	3.15	1.14	1.99	1.38*	1.43	2.01	1.44
	25-31	0.35	0.89	0.44	0.49	0.53	0.88	0.38
	Total	8.10	4.81	6.97	7.79	8.35	7.05	6.18
June	1-8	0.55	0.19	0.58*	2.33	3.16	2.10	0.58
	9-16	5.15	4.80	2.16	1.81	3.06	7.64	3.76
	17-24	0.70	0.04	0.00	1.00	0.03	1.96	0.09
	25-30	0.45	0.02	0.54	1.82	0.17	0.22	0.12
	Total	6.85	5.05	3.28	6.96	6.42	11.92	4.55
July	1-8	0.10	0.11	0.18	0.18	0.00	0.84	0.49
	9-16	0.05	0.23	0.31	1.42	3.24	1.21	1.70
	17-24	1.35	1.52	0.72	0.76	0.63	0.46	0.21
	25-31	2.80	2.89	0.00	1.49	1.00	0.85	2.64
	Total	4.30	4.75	1.21	3.85	4.87	3.36	5.04
August	1-8	0.70	0.60	0.83	2.68	2.00	3.65	2.05
	9-16	0.70	0.43	0.79	0.19	0.69	0.67	0.06
	17-24	1.40	0.15	0.39	2.10	0.33	0.84	2.70
	25-31	0.15	0.87	1.07	1.59	0.37	1.18	0.61
	Total	2.95	2.05	3.08	6.56	3.39	6.34	5.42
Sept	1-8	2.70	4.58	5.75	2.01	2.27	1.54	2.70
	9-16	0.70**	0.02**	0.00	0.25	0.02	0.12	0.09
	17-24	1.40	1.25	1.61	3.70	1.72	1.39	1.39**
	25-30	0.15	0.32	0.53	0.43	0.80	0.07	0.63
	Total	4.95	6.17	7.89	6.39	4.81	3.12	4.81
Grand Total		33.00	29.82	28.42	37.31	31.94	36.81	34.58

* Planted.

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

TABLE 2. HYBRIDS TESTED IN 2003

	Hybrid	Test+ Color	Days to Maturity++	Source
Adler Seeds	2700	E Yellow	110	Adler Seed 6085 W 550 N Sharpsville, IN 46068
	4500YGCB	E Yellow	112	
	6400	M Yellow	114	
	7400	M Yellow	114	
Agrigold	A6395Bt	E Yellow	107	Agrigold Hybrids RR#1 Box 203 ST. Francisville, IL 62460
	A6445	E Yellow	109	
	A6490CL	E Yellow	112	
	A6467	E Yellow	112	
	A6490Bt	M Yellow	113	
	A6610	M Yellow	115	
	A6620CL	M Yellow	116	
	A2300Bt	M Yellow	117	
	A6710Bt	L Yellow	118	
	A6445TC	High Oil		
A6490TC	High Oil			
Beck's	5422CBCL	E Yellow	110	Beck's Superior Hybrids 6767 E.276th Street Atlanta, IN 46031
	0296	M Yellow	114	
	7997CB	M Yellow	116	
	5322TC	High Oil		
Bio Gene	BG 1111	E Yellow	110	Bio Gene Seeds 5491 Tri County Hwy. Sardinia, OH 45171
	RRBt1122	E Yellow	112	
	BT 1130	M Yellow	113	
	BT 1152YG	M Yellow	115	
	BT 1150	M Yellow	115	
Belle Southern	1140Y	E Yellow	111	Belle Southern Hybrids P.O.Box178 Fisher, AR 72429
	1430Y	M Yellow	114	
	1520RR	M Yellow	115	
Caverndale Farms	CF788RR	E Yellow	112	Caverndale Farms, Inc. 1921 Bluegrass Pike Danville, KY 40422
	CF825BT	M Yellow	113	
	CF837RR/Bt	M Yellow	116	
Crow's	4911B	E Yellow	110	Crow's Hybrid Corn Co. P.O.Box 157 Kentland, IN 47951
	5044B	E Yellow	112	
	5165B	M Yellow	113	
Dyna-Gro	5545	E Yellow	111	UAP Seeds 544 Pridgen Pond Rd. Kinston, AL 36453
	57P69Bt/RR	E Yellow	112	
	57K14	M Yellow	113	
	3911	M Yellow	113	
	3914	M Yellow	115	
	57F87YG	M Yellow	115	
	57P35	M Yellow	115	
	5515	L Yellow	117	
Exsegen	Exsegen ES112	E Yellow	111	Miles Seed P.O.Box 22879 Owensboro, KY 42304
	Wyffels W7273(YG)	E Yellow	111	
	Wyffels 6573(YG)	E Yellow	111	
	Wyffels W7293(YG)	E Yellow	112	
	Wyffels W8413(YG)	M Yellow	114	
	Wyffels W8653(YG)	M Yellow	114	
	Exsegen ES617	L Yellow	118	
	Exsegen ES210W	W White	112	
	Wyffels W5546	High Oil		
	Wyffels W7185	High Oil		
Wyffels W7355	High Oil			
Garst	8443	E Yellow	111	Garst Seed Co. 7728 State Road 1241 Hickory, KY 42051
	8461	E Yellow	112	
	8350YG1	M Yellow	115	
	8288	M Yellow	117	
Gateway	9411Bt	E Yellow	111	Gateway Seed Company 5517 VanBuren Road Nashville, IL 62263
	3912BTR	E Yellow	112	
	2612CL	E Yellow	112	
	1615CL	M Yellow	115	
	2416Bt	M Yellow	116	
Great Lakes	6344	M Yellow	113	Great Lakes Hybrids 9915 W21 P.O.Box6370 Ovid, MI 48866
	6631Bt	M Yellow	116	
Golden Harvest	H-8906	E Yellow	111	Golden Harvest R.R.3 Box 257 Clinton, IL 61727
	H-9231	E Yellow	112	
	H-9247Bt	M Yellow	113	
	H-9364	M Yellow	114	
	H-9461	L Yellow	118	

continued on next page

TABLE 2. HYBRIDS TESTED IN 2003

	Hybrid	Test+ Color	Days to Maturity++	Source
L G Seeds	LG2540Bt	E Yellow	110	LG Seeds, Inc. 22827 Shissler Rd. Elmwood, IL 61529
	LG2607CL	E Yellow	110	
	LG2585	E Yellow	111	
	LG2631CL	M Yellow	113	
	LG2622Bt	M Yellow	115	
	LG2699CL	M Yellow	116	
Monsanto	Deka1b DKC6019(RR/YGCB)	E Yellow	110	Monsanto 800 N.Lindbergh Blvd. St.Louis, MO 63167
	Deka1b DKC6017(RR)	E Yellow	110	
	Deka1b DKC6124	E Yellow	111	
	Deka1b DKC62-15	E Yellow	112	
	Asgrow RX718RR/YG	E Yellow	110	
	Deka1b DKC63-24(RR/YGCB)	M Yellow	113	
	Deka1b DKC63-79(YGCB)	M Yellow	113	
	Deka1b DKC64-10(RR)	M Yellow	114	
	Deka1b DKC64-11(RR/YGCB)	M Yellow	114	
	ASGROW RX774	M Yellow	113	
Mycogen	2E705(YG)	E Yellow	110	Mycogen Seeds 9330 Zionsville Rd. Indianapolis, IN 46268
	2G768(HX)	M Yellow	113	
	2A812(HX)	M Yellow	115	
	2D835	M Yellow	116	
Pfister Hybrids	2450Bt	E Yellow	110	Pfister Hybrid Corn Co. 187N.Fayette ST. EL.Paso, IL 61738
	3356	M Yellow	115	
	3977Bt	M Yellow	115	
	SK2652-19	HO High Oil	110	
	SK2550-19	HO High Oil	111	
	SK3977-19	Ho High Oil	115	
Pioneer Brand	34B24(YGCB)	E Yellow	110	Pioneer,A Dupont Co. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806
	33V15	M Yellow	114	
	33P67(YGCB)	M Yellow	114	
	33M54	M Yellow	114	
	33R77	M Yellow	114	
	32W86	M Yellow	114	
	32H69(YGCB)	M Yellow	117	
	31G98	L Yellow	118	
	31G66	L Yellow	118	
	32D99	L Yellow	118	
	31N27	L Yellow	118	
	33T17	W White	113	
	32T78	W White	116	
	Royster Clark	Vigoro Brand V52Y41(Bt)	E Yellow	
Vigoro Brand V54R66(RR)		M Yellow	114	
Vigoro Brand EX662023		M Yellow	114	
Vigoro Brand V55Y21(Bt)		M Yellow	115	
Vigoro Brand V5800		M Yellow	115	
Vigoro Brand V58Y41(Bt)		L Yellow	118	
Seed Consultants	SC10R92	E Yellow	107	Seed Consultants,Inc. P.O. Box 370 648 Miami Trace Rd. SW Washington Court House, OH 43160
	SC1133	E Yellow	112	
	SC1140	M Yellow	113	
	W11C44	M Yellow	113	
	SC1124	M Yellow	113	
Southern States	SS670Bt	E Yellow	110	Southern States Coop. 6606 West Broad Street Richmond, VA 23260
	SS732	M Yellow	115	
	SS740	M Yellow	115	
	SS842RR	M Yellow	115	
	SS753BT/CL	M Yellow	116	
	SS849CL	M Yellow	117	
Syngenta Seeds	NK-BRAND N65-M7	E Yellow	119	Syngenta Seeds 535 Pennyryle Dr. Madisonville, KY 42431
	NK-BRAND N70-T9	E Yellow	111	
	NK-BRAND N70-F1	E Yellow	111	
	NK-BRAND N75-C4	M Yellow	114	
Zimmerman	WX7853	W White	115	Syngenta Seeds INC. (Zimmerman Brand) P.O.Box 488 Sebree, KY 42455
	WX7663	W White	118	
	1851W	W White	118	
Kentucky Agricultural Experiment Station	Early Check	E Yellow	112	Illinois Found. Seeds, Inc. P.O. Box 722 Champaign, IL 61820
	Medium Check	M Yellow	115	
	Late Check	L Yellow	119	

+E=Early Test, M=Medium Test, L=Late Test, and HO=High Oil Test.
 ++Data provided by seed companies.

TABLE 3. AGRONOMIC INFORMATION PERTAINING TO 2003 TEST LOCATIONS

Location and Cooperator	Soil Type	Fertilizer lb/acre	Herbicide	Insecticide	Planting Dates	Harvest Dates	Previous Crop
1) Fulton, KY Rob Carrigan	Memphis Silt Loam Farm	N - 225 P ₂ O ₅ - 100 K ₂ O - 0	Harness Basis Gold Gramoxone	Warrior T Force 1.5G	April 13 &14	Sept. 10 &11	soybean
2) Princeton, KY Western Kentucky Res. & Ed. Center	Huntington Silt Loam	N - 185 P ₂ O ₅ - 100 K ₂ O - 50	Bicep II Magnum Gramoxone	Force 1.5G	April 23	Sept. 19	wheat
3) Lewisport, KY Shelby Emmick Farm	Wheeling Loam	N - 185 P ₂ O ₅ - 92 K ₂ O - 120	Harness Extra Aatrex Pounce	Force 1.5G	June 2	Oct. 2	soybean
4) Hopkinsville, KY Jim Shelton Farm	Pembroke	N - 170 P ₂ O ₅ - 70 K ₂ O - 60	Atrazine Roundup	Force 1.5G	April 16	Sept. 17	soybean
5) Hodgenville, KY Steve Sheffer Farm	Elk	N - 175 P ₂ O ₅ - 80 K ₂ O - 80	Roundup Atrazine Princep	Warrior Force 1.5G	May 24	Oct. 15 &16	soybean
6) Lexington, KY K.A.E.S. Spindletop Farm	Maury Silt Clay Loam	N - 200 P ₂ O ₅ - 100 K ₂ O - 0	Bicep II Magnum Exceed	Force 1.5G	April 28 &29	Oct. 2 6&9	soybean
7) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N - 160 P ₂ O ₅ - 0 K ₂ O - 0	Bicep II Roundup Exceed	Force 1.5G	May 14	Oct. 13	rye

NOTES on the 2003 GROWING SEASON

FULTON: There was very little weed or corn borer pressure at this location.

PRINCETON: Weed control of the wheat cover crop was poor and resulted in erratic yields in the early and medium tests. As a result, those two tests were not included in this report.

HOPKINSVILLE: Southwestern corn borer damage was minor (<10%).

LEWISPORT: A replanting occurred on June 2 because of water damage to the initial planting. There were some weed problems and high levels of both European and Southwestern corn borer damage (>50%). Grain in the medium, late, and white tests was too moist (>30%) for harvest at the time of publication and the data is not included in this report.

HODGENVILLE: There were no disease problems but some damage due to Southwestern corn borer (10%).

LEXINGTON: There were no pest problems at this location.

QUICKSAND: This location had minimal damage due to Southwestern corn borer (<15%).

**TABLE 4E-1YR. ANNUAL SUMMARY, 2003, EARLY HYBRIDS
(112 DAYS TO MATURITY OR EARLIER), SIX LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
BECK'S 5422CBCL	219.7*	21.6	99.4	0.9	56.2
CROW'S 4911B	219.4*	20.5	99.7	0.9	56.3
ADLER 4500YGCB	218.4*	22.1	99.2	0.4	56.1
DYNA-GRO 57P69Bt/RR	217.7*	20.5	100.0	0.9	55.2
DEKALB DKC62-15	216.7*	21.2	99.5	1.4	56.6
VIGORO BRAND V52Y41(Bt)	216.0*	20.5	98.7	0.8	55.3
PIONEER BRAND 34B24(YGCB)	214.3*	21.2	97.4	0.3	57.7
GATEWAY 2612CL	212.9*	21.8	99.1	2.1	55.1
SO.STATES SS670Bt	210.3	21.2	99.5	1.3	56.1
SEED CONSULTANTS SC1133	210.3	20.8	96.9	1.5	55.5
NK-BRAND N65-M7	210.3	20.5	100.0	0.9	55.7
AGRIGOLD A6395Bt	209.9	19.2	99.8	0.3	55.2
LG SEEDS LG2585	209.8	20.2	99.7	1.4	55.1
AGRIGOLD A6445	209.6	19.8	99.7	2.2	55.8
NK-BRAND N70-T9	209.5	22.6	100.0	0.4	55.8
BELLE 1140RY	208.4	23.1	99.7	0.9	56.1
SEED CONSULTANTS SC10R92	208.4	19.6	100.0	1.9	54.9
ADLER 2700	207.6	20.4	99.4	1.0	55.6
GOLDEN HARVEST H-9231	207.5	19.1	100.0	1.5	55.3
BIO GENE BG 1111	207.4	19.8	99.2	1.3	54.7
DYNA-GRO 5545	207.4	21.5	98.5	1.9	55.7
MYCOGEN 2E705(YG)	207.2	20.8	99.0	0.8	55.1
NK-BRAND N70-F1	207.0	22.8	100.0	0.4	55.6
GATEWAY 3912BTR	204.5	21.1	98.6	1.0	55.1
WYFFELS W6570	204.2	20.4	98.7	1.3	55.2
BIO GENE RRBT1122	203.9	21.1	99.6	0.7	57.2
LG SEEDS LG2540Bt	203.6	19.3	99.8	0.6	55.3
EXSEGEN ES112	203.3	20.3	97.3	1.7	54.4
GARST 8461	203.0	20.3	99.7	1.6	55.6
GOLDEN HARVEST H-8906	202.9	19.9	99.8	1.2	55.3
CAVERNDALE CF788RR	202.1	20.4	99.7	1.2	56.1
GATEWAY 9411Bt	202.0	21.7	100.0	1.2	56.1
PFISTER 2450Bt	201.9	20.0	100.0	0.4	56.3
DEKALB DKC61-24	200.5	19.5	98.7	2.3	55.4
DEKALB DKC 60-19(RR/YGCB)	200.0	20.0	99.7	1.2	56.1
WYFFELS W7273(YG)	198.5	19.7	100.0	0.8	55.3
WYFFELS W7293(YG)	198.1	20.7	99.3	0.2	57.1
GARST 8443	196.7	19.7	99.7	1.0	55.6
AGRIGOLD A6490CL	195.7	21.2	100.0	1.7	57.6
CROW'S 5044B	195.0	21.2	99.5	0.7	56.6
AGRIGOLD A6467	194.2	20.5	99.8	0.9	56.8
DEKALB DKC 60-17(RR)	191.5	20.3	100.0	2.4	56.1
EARLY CHECK	186.3	21.4	100.0	1.3	55.8
ASGROW RX718RR/YG	185.6	18.8	100.0	0.5	56.7
LG SEEDS LG2607Bt	180.1	19.1	99.6	0.3	56.0
EARLY AVERAGE	203.8	20.6	99.4	1.1	55.9
LSD (0.10)	7.7	0.7	1.9	0.8	0.9

* 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.

** Princeton data not included.

**TABLE 4E-2YR. TWO-YEAR SUMMARY, 2002-2003, EARLY HYBRIDS
(112 DAYS TO MATURITY OR EARLIER), FIVE LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 02-03	% MOIST 02-03	% STAND 02-03	TOT % LODGED 02-03	TEST WT LBS/BU 02-03
PIONEER BRAND 34B24(YGCB)	196.1*	17.6	97.9	0.7	56.7
DEKALB DKC62-15	188.8	17.6	99.1	1.5	55.5
SEED CONSULTANTS SC10R92	187.3	16.3	99.3	1.5	54.0
SEED CONSULTANTS SC1133	187.0	17.5	97.5	1.3	54.2
AGRIGOLD A6445	186.0	16.9	99.4	1.7	54.4
NK-BRAND N65-M7	185.0	16.9	99.0	1.1	54.4
EXSEGEN ES112	184.9	16.6	97.5	1.8	54.2
GOLDEN HARVEST H-9231	181.0	16.4	98.6	1.6	53.9
GATEWAY 9411Bt	180.6	17.6	99.6	0.9	54.9
DYNA-GRO 5545	180.3	17.3	99.1	2.1	54.7
WYFFELS W6570	179.8	16.8	98.3	1.2	53.9
AGRIGOLD A6490CL	178.3	17.6	99.6	1.8	56.2
SO.STATES SS670Bt	178.3	17.7	99.1	2.3	54.9
LG SEEDS LG2585	177.8	16.9	99.8	1.9	54.3
EARLY CHECK	158.0	17.6	99.3	1.2	55.0
EARLY AVERAGE	181.9	17.1	98.9	1.5	54.7
LSD (0.10)	7.2	0.6	1.7	0.8	0.6

**TABLE 4E-3YR. THREE-YEAR SUMMARY, 2001-2003, EARLY HYBRIDS
(112 DAYS TO MATURITY OR EARLIER), FIVE LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 01-03	% MOIST 01-03	% STAND 01-03	TOT % LODGED 01-03	TEST WT LBS/BU 01-03
PIONEER BRAND 34B24(YGCB)	199.9*	16.9	98.2	1.0	56.6
AGRIGOLD A6445	191.8	16.1	98.8	1.9	54.6
EXSEGEN ES112	191.1	15.9	98.4	1.9	54.4
GATEWAY 9411Bt	188.2	16.8	99.7	0.9	54.9
SO.STATES SS670Bt	187.7	16.6	98.9	1.9	54.8
LG SEEDS LG2585	187.4	16.2	99.7	1.9	54.6
EARLY CHECK	167.6	17.0	98.4	1.5	54.9
EARLY AVERAGE	187.7	16.5	98.9	1.6	54.9
LSD (0.10)	6.0	0.5	1.3	0.7	0.5

* 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.

** Lexington and Princeton data not included.

**TABLE 5M-1YR. ANNUAL SUMMARY, 2003, MEDIUM HYBRIDS
(113-117 DAYS TO MATURITY), FIVE LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TESTWT LBS/BU 2003
SO.STATES SS849CL	233.6*	23.5	100.0	1.6	56.9
PIONEER BRAND 33R77	232.4*	22.8	99.6	0.4	57.4
PIONEER BRAND 32W86	231.8*	20.2	100.0	0.3	59.7
DYNA-GRO 57F87YG	230.1*	23.1	100.0	0.1	56.6
PIONEER BRAND 33P67(YGCB)	229.5*	22.5	100.0	0.4	57.7
SO.STATES SS842RR	229.2*	24.8	100.0	1.7	58.1
PIONEER BRAND 32H69(YGCB)	228.9*	22.8	99.3	0.5	58.3
PFISTER 3977Bt	224.0	23.3	100.0	0.7	57.4
GATEWAY 2416Bt	223.1	22.9	99.8	0.2	56.7
MYCOGEN 2D835	222.6	23.5	99.2	0.3	56.5
ADLER 7400	222.4	23.2	100.0	0.4	56.6
GARST 8350YG1	222.0	20.4	100.0	0.2	56.9
BECK'S 0296	221.6	22.7	100.0	0.2	56.0
PFISTER 3356	221.4	22.9	99.4	0.2	55.9
AGRIGOLD A6610	219.6	20.9	98.5	0.3	55.7
PIONEER BRAND 33M54	219.1	22.7	99.5	1.4	58.9
LG SEEDS LG2622Bt	219.0	22.1	100.0	0.2	55.3
GARST 8288	218.9	23.1	99.5	0.6	58.1
BIO GENE Bt1150(YG)	218.6	24.0	100.0	0.6	56.5
DYNA-GRO 3914	218.5	22.3	100.0	1.0	55.7
DEKALB DKC63-24(RR/YGCB)	218.1	18.6	99.5	0.4	55.4
CROW'S 5165B	217.2	20.5	99.8	0.8	56.2
SO.STATES SS732	217.1	20.6	100.0	0.5	56.2
ADLER 6400	217.0	22.3	95.8	0.6	56.2
GOLDEN HARVEST H-9364	216.6	19.6	100.0	1.2	55.9
SEED CONSULTANTS SC1140	216.0	20.5	100.0	1.8	56.7
VIGORO BRAND V55Y21Bt	215.8	20.7	99.8	0.5	55.7
DEKALB DKC64-10(RR)	215.6	19.2	100.0	0.9	55.9
GREAT LAKES 6344	214.4	20.4	99.0	0.5	55.2
MYCOGEN 2A812(HX)	214.0	21.7	100.0	0.3	55.5
CAVERNDALE CF837RR/Bt	213.1	21.4	99.2	0.0	55.6
DYNA-GRO 57K14	212.2	18.7	99.4	0.7	55.2
PIONEER BRAND 33V15	212.2	20.8	97.7	1.3	58.1
BELLE 1520RR	212.0	22.4	99.7	0.6	57.6
GOLDEN HARVEST H-9247Bt	210.8	19.1	100.0	0.1	57.7
SO.STATES SS740	210.0	20.5	100.0	1.0	56.6
BELLE 1430Y	210.0	24.6	100.0	0.6	58.1
SO.STATES SS753Bt/CL	209.2	21.1	100.0	0.1	57.2
MYCOGEN 2G768(HX)	207.3	18.9	99.5	0.0	54.5
DYNA-GRO 57P35	207.2	21.1	98.7	0.3	56.7
DEKALB DKC64-11(RR/YGCB)	206.8	20.0	100.0	0.6	55.9
NK-BRAND N75-C4	206.4	22.1	100.0	0.2	56.3
BECK'S 7997CB	206.0	23.5	97.6	0.1	57.1
VIGORO BRAND V5800	205.6	20.2	100.0	1.0	56.9
AGRIGOLD A6490Bt	205.1	19.2	100.0	0.4	57.7
SEED CONSULTANTS W11C44	205.0	20.6	99.4	0.2	56.9
BIO GENE BG1130	204.9	20.4	100.0	1.4	57.3
MEDIUM CHECK	204.5	20.5	99.4	0.1	56.3
SEED CONSULTANTS SC1124	204.3	19.1	100.0	0.4	56.9
DEKALB DKC63-79(YGCB)	203.7	20.4	100.0	0.2	57.1
CAVERNDALE CF825Bt	203.0	21.8	100.0	0.2	55.5
WYFFELS W8543(YG)	202.5	20.3	99.0	0.2	58.2
AGRIGOLD A2300Bt	200.5	21.4	99.8	0.3	57.7
GATEWAY 1615CL	198.7	23.9	98.3	1.8	58.0
LG SEEDS LG2699CL	198.5	21.2	99.0	1.1	56.1
WYFFELS W8653(YG)	197.7	20.2	99.1	0.4	55.7
LG SEEDS LG2631CL	197.7	20.3	100.0	1.0	54.5
ASGROW RX774	195.7	19.9	99.8	0.9	57.7
GREAT LAKES6631Bt	195.0	24.1	99.5	0.1	55.1
BIO GENE BT1152(YG)	193.7	23.3	94.8	0.3	56.5
VIGORO BRAND 662023	191.0	18.7	93.7	0.7	56.4
VIGORO BRAND V54R66(RR)	190.1	19.3	100.0	0.7	56.5
AGRIGOLD A6620CL	186.3	23.2	98.4	0.3	55.2
DYNA-GRO 3911	185.4	20.1	93.1	0.6	55.8
MEDIUM AVERAGE	211.6	21.4	99.3	0.6	56.6
LSD (0.10)	9.0	0.7	1.5	0.7	1.1

* 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 in that column.

** Princeton and Lewisport data not included.

**TABLE 5M-2YR. TWO-YEAR SUMMARY, 2002-2003, MEDIUM HYBRIDS
(113-117 DAYS TO MATURITY), FIVE LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 02-03	% MOIST 02-03	% STAND 02-03	TOT % LODGED 02-03	TESTWT LBS/BU 02-03
PIONEER BRAND 33R77	209.8*	19.3	98.1	0.4	56.2
PIONEER BRAND 32W86	208.3*	17.6	100.0	0.4	58.1
PIONEER BRAND 33P67(YGCB)	206.6*	19.4	100.0	0.9	57.1
SO.STATES SS842RR	202.2*	20.9	100.0	1.6	55.9
PFISTER 3977Bt	200.8	20.5	99.5	0.5	56.1
GARST 8288	200.6	20.5	99.3	0.5	57.2
SO.STATES SS849CL	200.0	20.5	99.2	1.1	54.9
BIO GENE BG 1150(YG)	199.1	21.1	99.8	0.7	55.3
SO.STATES SS740	199.0	17.7	100.0	0.9	56.0
DEKALB DKC64-10(RR)	198.3	16.4	99.2	0.6	55.2
CROW'S 5165B	198.0	17.7	98.7	0.5	55.3
SEED CONSULTANTS SC1140	198.0	17.6	100.0	1.5	56.4
SO.STATES SS732	195.9	17.6	97.6	1.1	55.3
BIO GENE BG1130	195.3	18.0	100.0	1.5	56.4
VIGORO BRAND V55Y21Bt	194.2	17.6	98.4	0.5	54.6
GOLDEN HARVEST H-9247Bt	191.1	16.5	99.2	0.3	56.8
VIGORO BRAND V5800	190.7	17.4	99.5	0.7	56.6
AGRIGOLD A6490Bt	190.4	16.5	99.2	0.3	56.7
NK-BRAND N75-C4	189.7	18.6	100.0	0.2	55.7
GOLDEN HARVEST H-9364	189.2	16.7	97.2	1.0	55.0
MEDIUM CHECK	188.3	17.9	98.6	0.7	55.6
LG SEEDS LG2699CL	187.1	18.4	98.4	0.8	55.5
BECK'S 7997CB	186.8	20.9	97.2	0.1	56.3
BIO GENE Bt1152(YG)	185.3	20.2	96.6	0.2	55.7
GATEWAY 1615CL	182.4	21.2	97.7	1.2	56.6
MEDIUM AVERAGE	195.5	18.7	98.9	0.7	56.0
LSD (0.10)	8.3	0.6	1.8	0.6	0.8

**TABLE 5M-3YR. THREE-YEAR SUMMARY, 2001-2003, MEDIUM HYBRIDS
(113-117 DAYS TO MATURITY), FOUR LOCATIONS.*****

BRAND/HYBRID	YIELD BU/AC 01-03	% MOIST 01-03	% STAND 01-03	TOT % LODGED 01-03	TEST WT LBS/BU 01-03
PIONEER BRAND 33R77	212.4*	17.4	98.4	0.7	55.3
SO.STATES SS842RR	207.6*	19.3	99.8	0.8	55.7
GARST 8288	207.5*	19.4	99.3	0.7	56.6
PFISTER 3977Bt	205.6*	19.0	99.6	0.4	55.8
SO.STATES SS849CL	205.0*	19.1	99.2	1.1	54.6
VIGORO BRAND V55Y21Bt	202.8	16.5	98.5	0.3	54.6
DEKALB DKC64-10(RR)	201.4	15.1	99.4	0.5	55.0
SO.STATES SS740	201.2	16.6	100.0	1.2	55.8
SEED CONSULTANTS SC1140	200.2	16.7	100.0	1.8	56.0
VIGORO BRAND V5800	200.0	16.3	99.3	1.4	56.2
GOLDEN HARVEST H-9364	198.9	15.9	97.5	1.1	54.8
BIO GENE BG1130	198.6	16.8	99.8	1.2	55.9
MEDIUM CHECK	194.9	16.7	98.9	0.6	55.4
GOLDEN HARVEST H-9247Bt	190.8	16.0	98.7	0.3	55.8
MEDIUM AVERAGE	201.9	17.2	99.1	0.9	55.5
LSD (0.10)	8.3	0.6	1.6	0.7	0.7

* 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 in that column.

** Princeton and Lewisport data not included.

*** Princeton, Lewisport, and Hodgenville data not included.

**TABLE 6L-1YR. ANNUAL SUMMARY, 2003, LATE HYBRIDS
(118 DAYS TO MATURITY OR LATER), SIX LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32D99	214.7*	23.4	99.7	0.8	59.3
PIONEER BRAND 31G66	210.0*	21.6	99.2	1.3	58.5
GOLDEN HARVEST H-9461	209.2*	20.9	99.3	0.6	56.2
VIGORO BRAND V58Y41(Bt)	197.1	22.2	99.0	0.3	57.2
PIONEER BRAND 31N27	193.5	22.2	99.1	0.8	58.8
EXSEGEN ES617	187.7	23.4	98.0	1.0	58.2
LATE CHECK	184.0	22.4	99.2	0.6	56.5
AGRIGOLD A6710Bt	179.9	22.4	97.7	0.1	57.3
DYNA-GRO 5515	177.9	20.0	97.7	1.0	56.3
PIONEER BRAND 31G98	173.4	16.0	98.9	1.0	56.6
LATE AVERAGE	192.7	21.5	98.8	0.8	57.5
LSD (0.10)	8.8	0.6	2.2	0.6	0.8

**TABLE 6L-2YR. TWO-YEAR SUMMARY, 2002-2003, LATE HYBRIDS
(118 DAYS TO MATURITY OR LATER), SIX LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 02-03	% MOIST 02-03	% STAND 02-03	TOT % LODGED 02-03	TEST WT LBS/BU 02-03
PIONEER BRAND 31G98	174.6*	15.8	99.3	0.9	56.5
LATE CHECK	166.0	19.7	98.7	0.6	55.9
LATE AVERAGE	170.3	17.8	99.0	0.7	56.2
LSD (0.10)	6.2	0.6	1.3	0.4	0.6

**TABLE 6L-3YR. THREE-YEAR SUMMARY, 2001-2003, LATE HYBRIDS
(118 DAYS TO MATURITY OR LATER), FIVE LOCATIONS.*****

BRAND/HYBRID	YIELD BU/AC 01-03	% MOIST 01-03	% STAND 01-03	TOT % LODGED 01-03	TEST WT LBS/BU 01-03
PIONEER BRAND 31G98	188.9*	15.7	99.4	1.1	56.2
LATE CHECK	175.4	18.4	98.8	0.8	55.7
LATE AVERAGE	182.2	17.1	99.1	0.9	56.0
LSD (0.10)	6.2	0.7	1.2	0.5	0.5

* 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.

** Lewisport data not included.

*** Lewisport and Hodgenville data not included.

**TABLE 7W-1YR. ANNUAL SUMMARY, 2003, WHITE HYBRIDS
(113-117 DAYS TO MATURITY), SIX LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TESTWT LBS/BU 2003
PIONEER BRAND 32T78	194.4*	22.0	98.5	2.0	59.2
MEDIUM CHECK	190.8*	19.1	99.5	2.6	57.8
ZIMMERMAN 1851W	186.5	22.9	99.2	2.0	56.8
PIONEER BRAND 33T17(W)	185.5	19.3	99.6	1.8	58.6
EXSEGEN ES210W	182.5	19.1	100.0	1.6	57.8
ZIMMERMAN WX7663	168.6	22.7	89.7	2.3	56.2
ZIMMERMAN WX7853	167.1	21.5	99.7	1.4	56.6
WHITE AVERAGE	182.2	20.9	98.0	2.0	57.6
LSD (0.10)	7.8	0.7	2.1	1.1	0.6

**TABLE 7W-2YR. TWO-YEAR SUMMARY, 2002-2003, WHITE HYBRIDS
(113-117 DAYS TO MATURITY), SIX LOCATIONS.****

BRAND/HYBRID	YIELD BU/AC 02-03	% MOIST 02-03	% STAND 02-3	TOT % LODGED 02-03	TESTWT LBS/BU 02-03
MEDIUM CHECK	181.5*	17.0	98.9	1.6	57.1
PIONEER BRAND 32T78	179.7*	19.2	97.4	1.3	58.2
PIONEER BRAND 33T17(W)	175.7*	16.5	98.9	1.5	57.7
ZIMMERMAN 1851W	172.8	20.7	98.7	1.4	55.8
EXSEGEN ES210W	170.7	17.4	98.8	1.4	57.1
WHITE AVERAGE	176.1	18.2	98.5	1.5	57.2
LSD (0.10)	5.8	0.5	1.5	0.7	0.4

**TABLE 7W-3YR. THREE-YEAR SUMMARY, 2001-2003, WHITE HYBRIDS
(113-117 DAYS TO MATURITY), FIVE LOCATIONS.*****

BRAND/HYBRID	YIELD BU/AC 01-03	% MOIST 01-03	% STAND 01-03	TOT % LODGED 01-03	TESTWT LBS/BU 01-03
MEDIUM CHECK	183.5*	16.0	99.2	1.9	56.6
PIONEER BRAND 33T17(W)	178.5	15.6	99.1	1.5	56.8
EXSEGEN ES210W	174.2	17.1	99.0	2.0	56.6
ZIMMERMAN 1851W	173.8	19.1	98.8	1.6	55.1
WHITE AVERAGE	177.5	17.0	99.0	1.8	56.3
LSD (0.10)	4.8	0.4	1.2	0.5	0.3

* 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.

** Lewisport data not included.

*** Lewisport and Hodgenville data not included.

**TABLE 8E. ANNUAL SUMMARY, 2003, EARLY HYBRIDS
CHEMICAL COMPOSITION, SIX LOCATIONS.***

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
ADLER 2700	9.4	4.1	66.0
ADLER 4500YGCB	8.1	3.6	69.3
AGRIGOLD A6445	9.4	4.2	65.7
AGRIGOLD A6395Bt	9.6	4.0	65.7
AGRIGOLD A6467	9.2	4.5	66.0
AGRIGOLD A6490CL	9.9	4.8	66.0
ASGROW RX718RR/YG	9.2	4.5	66.6
BECK'S 5422CBCL	8.3	3.7	67.9
BELLE 1140RY	10.1	4.3	64.2
BIO GENE RRB1122	9.4	4.8	66.3
BIO GENE 8G1111	9.5	4.0	66.0
CAVERNDAL CF788RR	9.1	3.5	67.8
CROW'S 4911B	9.4	3.6	66.9
CROW'S 5044B	9.3	4.5	66.9
DEKALB DKC 60-17(RR)	9.0	4.0	66.5
DEKALB DKC 60-19(RR/YGCB)	8.7	3.6	67.8
DEKALB DKC61-24	9.7	4.0	66.0
DEKALB DKC62-15	9.3	4.0	67.1
DYNA-GRO 57P69BT/RR	9.7	3.6	67.3
DYNA-GRO 5545	8.2	3.7	69.4
EXSEGEN ES112	9.2	3.6	67.0
EARLY CHECK	9.2	3.9	66.7
GARST 8443	9.4	4.3	68.0
GARST 8461	9.4	3.8	67.2
GATEWAY 2612CL	9.2	3.9	66.6
GATEWAY 3912BTR	9.2	3.8	67.6
GATEWAY 9411Bt	9.1	3.7	66.9
GOLDEN HARVEST H-8906	9.4	4.2	66.9
GOLDEN HARVEST H-9231	9.5	4.3	67.3
LG SEEDS LG2540Bt	9.4	4.2	65.1
LG SEEDS LG2585	9.5	3.8	66.3
LG SEEDS LG2607Bt	10.0	4.8	64.9
MYCOGEN 2E705(YG)	9.2	3.8	66.7
NK-BRAND N65-M7	8.8	3.6	67.6
NK-BRAND N70-F1	9.3	3.6	66.1
NK-BRAND N70-T9	8.9	4.0	66.3
PFISTER 2450Bt	9.0	4.5	66.4
PIONEER BRAND 34B24(YGCB)	9.7	4.0	67.1
SEED CONSULTANTS SC10R92	9.5	4.2	67.2
SEED CONSULTANTS SC1133	8.9	3.9	67.4
SO.STATES SS670Bt	9.2	4.6	67.9
VIGORO BRAND V52Y41(Bt)	9.8	4.2	66.1
WYFFELS W6570	9.7	3.8	66.7
WYFFELS W7273(YG)	8.9	4.2	67.3
WYFFELS W7293(YG)	9.1	4.7	66.4
EARLY AVERAGE	9.2	4.1	66.8
EARLY AVERAGE BY LOCATION			
LEWISPORT	10.0	4.4	66.2
CHRISTIAN	9.2	4.3	67.1
FULTON	9.4	4.3	65.9
LEXINGTON	9.9	4.5	66.5
QUICKSAND	8.8	3.5	67.6
HODGENVILLE	8.2	3.4	67.7

* Princeton data not included.

**TABLE 8L. ANNUAL SUMMARY, 2003, LATE HYBRIDS
CHEMICAL COMPOSITION, SIX LOCATIONS.****

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
AGRIGOLD A6710Bt	8.3	4.6	66.2
DYNA-GRO 5515	8.4	3.9	68.7
EXSEGEN ES617	9.7	4.9	65.3
GOLDEN HARVEST H-9461	8.8	3.7	66.6
LATE CHECK	8.1	4.5	66.1
PIONEER BRAND 31G66	8.4	3.9	67.1
PIONEER BRAND 31G98	11.1	3.8	64.8
PIONEER BRAND 31N27	8.5	3.6	67.7
PIONEER BRAND 32D99	8.7	4.0	66.7
VIGORO BRAND V58Y41(Bt)	8.8	4.0	67.8
LATE AVERAGE	8.9	4.1	66.7
LATE AVERAGE BY LOCATION			
PRINCETON	7.4	4.0	68.8
CHRISTIAN	9.2	4.2	66.7
FULTON	9.3	4.3	66.8
LEXINGTON	10.5	4.5	63.6
QUICKSAND	9.0	4.2	66.8
HODGENVILLE	8.0	3.2	67.5

**Lewisport data not included.

**TABLE 8M. ANNUAL SUMMARY, 2003, MEDIUM HYBRIDS
CHEMICAL COMPOSITION, FIVE LOCATIONS.***

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
ADLER 6400	8.8	4.1	66.5
ADLER 7400	8.6	4.1	68.4
AGRIGOLD A2300Bt	9.2	4.9	66.7
AGRIGOLD A6490Bt	9.3	4.6	67.0
AGRIGOLD A6610	8.5	4.0	67.8
AGRIGOLD A6620CL	8.3	3.6	69.5
ASGROW RX774	9.2	4.0	67.1
BECK'S 7997CB	8.3	5.0	66.7
BECK'S 0296	8.9	4.5	67.2
BELLE 1430Y	8.9	4.5	66.9
BELLE 1520RR	7.9	3.9	69.8
BIO GENE BG1130	9.8	4.8	66.8
BIO GENE BG1150(YG)	9.2	3.8	66.1
BIO GENE BT1152(YG)	8.5	4.7	66.1
CAVERNDALE CF825Bt	8.9	3.9	67.0
CAVERNDALE CF837RR/Bt	9.9	4.3	65.3
CROW'S 5165B	8.4	4.1	68.3
DEKALB DKC63-24(RR/YGCB)	9.8	4.3	66.3
DEKALB DKC63-79(YGCB)	9.8	4.8	65.7
DEKALB DKC64-10(RR)	9.7	4.9	67.0
DEKALB DKC64-11(RR/YGCB)	9.9	4.6	65.5
DYNA-GRO 57K14	9.2	3.8	66.6
DYNA-GRO 57P35	9.8	4.5	66.9
DYNA-GRO 57F87YG	8.2	3.9	67.9
DYNA-GRO 3911	9.0	4.4	67.9
DYNA-GRO 3914	8.5	4.8	68.7
GARST 8288	8.6	3.6	67.5
GARST 8350YG1	8.6	3.8	69.8
GATEWAY 1615CL	8.9	5.6	66.2
GATEWAY 2416Bt	8.6	4.2	68.5
GOLDEN HARVEST H-9247Bt	9.2	4.7	67.3
GOLDEN HARVEST H-9364	7.7	3.6	69.3
GREAT LAKES6344	9.0	4.2	66.3
GREAT LAKES6631Bt	8.5	4.3	69.4
LG SEEDS LG2622Bt	8.6	3.7	67.2
LG SEEDS LG2631CL	8.7	4.0	68.2
LG SEEDS LG2699CL	8.5	3.8	68.2
MEDIUM CHECK	9.2	4.8	67.0
MYCOGEN 2A812(HX)	8.4	4.2	69.8
MYCOGEN 2D835	9.1	4.0	67.6
MYCOGEN 2G768(HX)	7.3	3.4	54.2
NK-BRAND N75-C4	9.8	4.8	65.4
PFISTER 3356	8.4	4.3	67.3
PFISTER 3977Bt	8.8	4.0	66.8
PIONEER BRAND 32H69(YGCB)	9.7	4.4	66.0
PIONEER BRAND 32W86	9.5	4.4	65.8
PIONEER BRAND 33M54	9.3	4.7	66.4
PIONEER BRAND 33P67(YGCB)	8.6	3.8	67.7
PIONEER BRAND 33R77	7.9	4.6	69.9
PIONEER BRAND 33V15	8.8	4.3	65.1
SEED CONSULTANTS SC1124	8.8	4.6	65.5
SEED CONSULTANTS SC1140	9.4	4.8	67.3
SEED CONSULTANTS W11C44	9.2	4.3	67.4
SO.STATES SS740	9.4	4.3	66.4
SO.STATES SS849CL	8.8	3.5	68.4
SO.STATES SS842RR	9.3	4.0	67.3
SO.STATES SS732	7.7	4.1	68.2
SO.STATES SS753BT/CL	8.9	4.5	68.3
VIGORO BRAND 662023	9.3	4.5	66.5
VIGORO BRAND V54R66(RR)	9.4	4.2	67.3
VIGORO BRAND V55Y21Bt	8.4	3.9	67.9
VIGORO BRAND V5800	8.9	4.3	67.1
WYFFELS W8543(YG)	9.8	5.4	64.7
WYFFELS W8653(YG)	8.5	4.5	68.8
MEDIUM AVERAGE	8.9	4.3	67.1
MEDIUM AVERAGE BY LOCATION			
HOPKINSVILLE	9.3	4.4	66.6
FULTON	9.2	4.7	66.9
LEXINGTON	10.1	5.1	67.7
QUICKSAND	8.6	4.0	66.8
HODGENVILLE	7.4	3.4	67.5

* Princeton and Lewisport data not included.

**TABLE 8W. ANNUAL SUMMARY, 2003, WHITE HYBRIDS
CHEMICAL COMPOSITION, SIX LOCATIONS.****

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
EXSEGEN ES210W	9.3	4.1	67.0
MEDIUM CHECK	8.8	4.0	68.4
PIONEER BRAND 32T78	9.0	4.1	66.4
PIONEER BRAND 33T17(W)	8.7	3.8	67.1
ZIMMERMAN 1851W	9.5	3.8	65.5
ZIMMERMAN WX7663	9.7	3.9	65.0
ZIMMERMAN WX7853	9.6	3.7	65.5
WHITE AVERAGE	9.2	3.9	66.4
WHITE AVERAGE BY LOCATION			
PRINCETON	8.6	3.8	67.8
CHRISTIAN	9.8	4.1	66.2
FULTON	10.2	4.4	64.8
LEXINGTON	10.3	4.5	63.2
QUICKSAND	9.2	3.7	67.7
HODGENVILLE	7.3	3.0	68.9

** Lewisport data not included.

TABLE 9E. YIELD SUMMARY, 2003, EARLY AVERAGE (112 DAYS TO MATURITY OR EARLIER), FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
DEKALB DKC62-15		203.5*	237.3*	17.0	100.0	0.0	58.3
GATEWAY 2612CL			231.7*	16.4	100.0	0.0	56.3
SO. STATES SS670Bt	199.1	188.4	228.3*	15.6	100.0	0.0	57.7
GARST 8443			227.8*	14.8	100.0	0.0	56.3
DYNA-GRO 57P69BT/RR			227.6*	16.4	100.0	0.5	55.0
VIGORO BRAND V52Y41(Bt)			226.4*	16.9	100.0	0.0	56.0
ADLER 4500YGCB			225.8*	18.1	100.0	0.0	55.3
NK-BRAND N65-M7		213.0*	225.6*	16.9	100.0	0.0	56.0
DEKALB DKC61-24			224.5*	17.1	100.0	0.0	56.7
AGRIGOLD A-6445	201.9	203.0*	223.5*	15.5	100.0	0.0	55.7
BELLE 1140RY			223.4*	18.2	100.0	0.5	55.7
WYFFELS W6570		197.0*	223.2*	17.0	100.0	0.0	56.0
GOLDEN HARVEST H-8906			222.8*	16.8	100.0	0.0	55.0
SEED CONSULTANTS SC10R92		202.2*	222.4*	16.2	100.0	0.5	55.3
CROW'S 4911B			222.0*	17.0	100.0	0.0	65.0
PIONEER BRAND 34B24(YGCB)	204.1*	208.9*	221.3*	16.7	100.0	0.0	58.0
AGRIGOLD A6467			219.0	15.9	100.0	0.0	59.0
EXSEGEN ES112	215.5*	210.6*	218.6	16.6	100.0	0.0	55.7
LG SEEDS LG2585	194.8	188.0	218.6	16.0	100.0	1.0	57.0
NK-BRAND N70-F1			217.9	17.2	100.0	0.0	55.7
GATEWAY 3912BTR			217.6	17.8	100.0	0.0	56.0
SEED CONSULTANTS SC1133		207.8*	216.7	16.7	100.0	1.0	54.0
DYNA-GRO 5545		198.0*	216.5	17.6	100.0	0.0	57.3
BIO GENE RRB1122			216.1	17.3	97.5	0.0	57.3
ADLER 2700			216.1	16.9	100.0	0.5	55.3
MYCOGEN 2E705(YG)			215.9	17.3	100.0	0.0	56.0
BIO GENE BG1111			215.5	16.9	100.0	0.5	54.7
AGRIGOLD A6490CL		192.0	215.1	16.8	100.0	0.0	58.7
CROW'S 5044B			215.1	16.9	100.0	0.0	57.3
BECK'S 5422CBCL			214.9	17.2	100.0	0.5	55.0
GOLDEN HARVEST H-9231		188.3	213.7	16.9	100.0	0.0	54.7
GATEWAY 9411Bt	197.9	191.7	211.9	18.5	100.0	0.5	55.7
GARST 8461			211.4	17.6	100.0	0.0	56.0
CAVERDALE CF788RR			210.8	17.7	100.0	0.5	55.7
WYFFELS W7293(YG)			209.7	15.0	100.0	0.0	57.3
DEKALB DKC 60-19(RR/YGCB)			209.3	16.8	100.0	0.0	58.0
PFISTER 2450Bt			207.9	15.7	100.0	0.0	57.3
WYFFELS W7273(YG)			205.5	16.3	100.0	0.0	55.7
LG SEEDS LG2540Bt			202.8	15.5	100.0	0.5	55.0
NK-BRAND N70-T9			201.5	19.1	100.0	0.0	55.0
ASGROW RX718RR/YG			201.0	15.5	100.0	0.0	58.7
AGRIGOLD A6395Bt			198.1	15.3	100.0	0.0	55.0
DEKALB DKC 60-17(RR)			196.9	17.4	100.0	0.0	57.3
EARLY CHECK	174.6	170.9	192.7	17.8	100.0	0.0	56.7
LG SEEDS LG2607Bt			179.7	15.4	100.0	0.0	56.0
EARLY AVERAGE	198.3	197.6	215.1	16.7	99.9	0.1	56.5
LSD (0.10)	13.2	17.4	17.2	1.3	0.9	0.7	3.2
C.V.			5.9	5.6	0.6	376.1	4.2

TABLE 9L. YIELD SUMMARY, 2003, LATE AVERAGE (118 DAYS TO MATURITY OR LATER), FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32D99			250.2*	23.1	98.5	0.0	62.0
PIONEER BRAND 31G66			236.3*	19.7	95.5	0.0	61.7
PIONEER BRAND 31N27			231.3*	20.6	94.4	0.0	61.0
GOLDEN HARVEST H-9461			230.5*	18.9	96.5	0.5	61.0
VIGORO BRAND V58Y41(Bt)			227.9*	19.0	99.0	0.0	60.7
LATE CHECK	211.2*	207.9*	223.0*	20.9	97.0	0.5	61.3
EXSEGEN ES617			210.1	20.8	92.9	1.3	61.7
DYNA GRO 5515			199.2	19.7	95.5	1.0	57.7
AGRIGOLD A6710Bt			191.9	21.4	88.4	0.0	60.0
PIONEER BRAND 31G98	215.3*	204.2*	174.8	16.2	98.5	0.0	58.3
LATE AVERAGE	213.2	206.0	217.5	20.0	95.6	0.3	60.5
LSD (0.10)	12.3	16.2	27.2	2.0	11.8	1.4	1.7
C.V.			8.8	7.1	8.7	290.8	2.0

* 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.

TABLE 9M. YIELD SUMMARY, 2003, MEDIUM AVERAGE (113-117 DAYS TO MATURITY), FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
GARST 8288	240.0*	242.6*	253.9*	20.3	100.0	0.0	60.3
PIONEER BRAND 33P67(YGCB)		236.1*	252.7*	19.9	100.0	0.5	59.7
PIONEER BRAND 33R77	231.2*	226.5*	252.5*	19.8	100.0	0.0	57.7
PIONEER BRAND 32W86		229.9*	252.2*	17.9	100.0	0.0	62.3
MYCOGEN 2D835			251.9*	20.9	100.0	0.5	60.0
PIONEER BRAND 33M54			251.0*	21.1	100.0	3.5	60.7
PIONEER BRAND 32H69(YGCB)			250.7*	20.7	100.0	0.0	60.7
SO.STATES SS849CL	220.6	214.0	249.3*	20.0	100.0	1.5	58.3
AGRIGOLD A6610			238.3	19.2	100.0	0.0	56.3
MYCOGEN 2G768(HX)			237.9	16.3	100.0	0.0	56.3
SO.STATES SS740	218.4	221.6*	234.9	17.9	100.0	0.5	59.3
DYNA-GRO 57F87YG			234.7	19.6	100.0	0.5	58.0
SO.STATES SS732		213.0	234.4	18.0	100.0	1.0	58.7
GOLDEN HARVEST H-9364	200.8	192.2	234.3	17.1	100.0	2.5	59.0
DYNA-GRO 3914			233.5	19.3	100.0	0.0	56.3
SO.STATES SS842RR	235.5*	226.6*	233.0	21.3	100.0	5.6	58.3
ADLER 6400			232.6	18.5	97.5	0.0	56.7
PIONEER BRAND 33V15			231.4	17.7	100.0	2.0	60.0
GARST 8350YG1			231.0	16.9	100.0	0.0	58.3
PFISTER 3356			230.8	19.6	100.0	0.0	56.3
BIO GENE BG1150(YG)		220.4	230.6	21.9	100.0	1.5	58.7
SEED CONSULTANTS SC1140	215.7	211.1	230.4	18.0	100.0	2.5	58.3
PFISTER 3977Bt	217.9	209.0	230.2	20.9	100.0	0.0	59.7
DYNA-GRO 57K14			229.9	16.8	100.0	1.5	56.0
BELLE 1520RR			228.0	20.4	100.0	1.0	58.3
CROW'S 5165B		216.5	227.3	17.3	100.0	2.0	58.7
MYCOGEN 2A812(HX)			227.0	19.3	100.0	0.0	55.7
ADLER 7400			226.4	19.6	100.0	1.0	57.0
BECK'S 0296			224.5	20.0	100.0	1.0	58.0
GATEWAY 2416Bt			224.0	19.6	100.0	0.5	56.3
DEKALB DKC63-24(RR/YGCB)			223.4	17.0	100.0	0.5	56.3
LG SEEDS LG2622Bt			221.9	21.7	100.0	0.5	58.0
GATEWAY 1615CL		198.4	221.4	21.0	100.0	3.0	58.7
DEKALB DKC64-10(RR)	216.0	205.4	220.6	16.2	100.0	3.5	57.3
WYFFELS W8543(YG)			220.5	18.0	100.0	0.5	60.3
CAVERNDALE CF837RR/Bt			219.6	18.3	100.0	0.0	57.0
BELLE 1430Y			219.1	22.8	100.0	0.0	59.0
SEED CONSULTANTS SC1124			218.8	17.3	100.0	0.5	59.3
VIGORO BRAND V55Y21Bt	212.3	205.2	217.7	18.2	99.0	1.0	56.7
BECK'S 7997CB		202.1	216.6	20.7	100.0	0.0	57.3
DEKALB DKC63-79(YGCB)			216.3	17.3	100.0	0.5	57.7
WYFFELS W8653(YG)			216.1	18.5	98.0	0.0	56.3
BIO GENE BG1130	211.8	208.3	215.9	18.5	100.0	0.5	59.0
SO.STATES SS753Bt/CL			215.3	17.4	100.0	0.0	57.3
DEKALB DKC64-11(RR/YGCB)			214.6	16.7	100.0	1.5	57.7
GREAT LAKES6344			213.9	21.0	100.0	1.5	56.0
AGRIGOLD A6490Bt		197.9	213.9	17.5	100.0	1.0	59.3
MEDIUM CHECK	199.5	193.1	212.5	17.6	97.0	0.0	58.3
LG SEEDS LG2699CL		201.9	212.3	18.2	100.0	2.0	58.0
CAVERNDALE CF825Bt			212.2	19.2	100.0	0.0	57.3
VIGORO BRAND V54C69(CL)			211.0	16.4	97.0	0.6	58.0
GOLDEN HARVEST H-9247Bt	205.9	196.9	210.2	17.1	100.0	0.0	59.0
AGRIGOLD A6620CL			209.0	20.5	100.0	0.0	57.3
VIGORO BRAND V5800	214.9	208.4	208.8	19.2	100.0	1.5	56.7
VIGORO BRAND V54R66(RR)			208.1	15.1	100.0	0.5	57.0
BIO GENE BT1152(YG)		199.9	207.5	19.6	95.5	0.5	60.0
DYNA-GRO 57P35			206.9	18.2	100.0	0.5	59.0
LG SEEDS LG2631CL			206.7	20.0	100.0	0.5	56.3
SEED CONSULTANTS W11C44			202.1	18.5	98.0	0.0	57.0
AGRIGOLD A2300Bt			201.3	20.0	100.0	1.0	59.3
GREAT LAKES6631Bt			200.9	20.4	100.0	0.5	57.3
NK-BRAND N75-C4		189.1	200.6	18.6	100.0	0.0	57.0
ASGROW RX774			194.8	16.9	100.0	2.5	57.7
DYNA-GRO 3911			192.9	16.5	93.4	0.0	58.3
MEDIUM AVERAGE	217.2	210.6	223.5	18.8	99.6	0.8	58.1
LSD (0.10)	15.2	21.5	15.1	1.6	2.1	1.9	2.4
C.V.			5.0	6.1	1.6	166.3	3.1

TABLE 9W. YIELD SUMMARY, 2003, WHITE AVERAGE (112-118 DAYS TO MATURITY), FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
EXSEGEN ES210W	212.6*	214.7*	231.8*	18.6	100.0	2.5	61.0
ZIMMERMAN 1851W	219.6*	214.0*	225.6*	21.0	98.5	1.0	58.7
PIONEER BRAND 32T78		209.8*	222.1*	19.7	96.5	0.0	60.7
MEDIUM CHECK	208.2	206.2*	214.8	17.3	97.0	2.1	59.7
ZIMMERMAN WX7663			214.2	21.3	99.5	0.0	58.3
PIONEER BRAND 33T17(W)	213.2*	208.5*	206.4	18.4	98.5	1.6	60.7
ZIMMERMAN WX7853			186.3	21.3	100.0	0.5	59.0
WHITE AVERAGE	213.4	210.7	214.5	19.7	98.6	1.1	59.7
LSD (0.10)	8.0	12.0	14.2	1.7	4.2	3.6	1.5
C.V.			4.5	5.8	2.9	219.9	1.8

* 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.

TABLE 10L. YIELD SUMMARY, 2003, LATE AVERAGE (118 DAYS TO MATURITY OR LATER), PRINCETON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
GOLDEN HARVEST H-9461			158.0*	15.3	100.0	0.5	54.3
PIONEER BRAND 31G66			143.5*	16.8	100.0	3.0	55.3
VIGORO BRAND V58Y41(Bt)			136.9*	18.4	94.9	0.6	54.0
PIONEER BRAND 31G98	154.4*	134.0*	136.9*	13.0	98.5	2.6	57.3
AGRIGOLD A6710Bt			125.1	16.5	100.0	0.0	56.0
PIONEER BRAND 32D99			123.5	17.4	100.0	1.0	54.7
LATE CHECK	140.8	121.9*	122.1	16.3	98.0	2.1	54.7
DYNA-GRO 5515			121.7	17.3	97.5	2.1	55.3
EXSEGEN ES617			115.3	18.6	97.5	0.5	56.0
PIONEER BRAND 31N27			104.4	15.3	100.0	0.5	57.3
LATE AVERAGE	147.6	128.0	128.7	16.5	98.6	1.3	55.5
LSD (0.10)	11.6	14.7	23.6	0.8	4.1	1.7	1.1
C.V.			12.9	3.4	2.9	91.0	1.4

TABLE 10W. YIELD SUMMARY, 2003, WHITE AVERAGE (112-118 DAYS TO MATURITY), PRINCETON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 33T17(W)	140.5*	137.4*	152.5*	15.4	100.0	4.0	59.7
MEDIUM CHECK	131.5*	135.0*	148.0*	16.2	100.0	5.6	59.0
EXSEGEN ES210W	133.0*	125.2*	140.5*	16.9	100.0	3.5	59.0
ZIMMERMAN 1851W	131.8*	128.4*	138.8*	19.6	100.0	4.5	56.0
PIONEER BRAND 32T78		130.1*	134.4*	17.5	97.0	4.2	58.0
ZIMMERMAN WX7853			106.4	18.4	99.0	2.1	58.0
ZIMMERMAN WX7663			105.4	19.9	65.7	7.8	57.0
WHITE AVERAGE	134.2	131.2	132.3	17.7	94.5	4.5	58.1
LSD (0.10)	11.3	13.9	20.1	0.8	4.5	2.8	0.6
C.V.			10.4	3.0	3.3	42.4	0.8

* 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.

TABLE 11E. YIELD SUMMARY, 2003, EARLY AVERAGE (112 DAYS TO MATURITY OR EARLIER), LEWISPORT, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
AGRIGOLD A6395Bt			185.4*	23.9	100.0	0.5	53.3
GOLDEN HARVEST H-9231		149.1*	183.9*	21.6	100.0	4.0	54.0
PIONEER BRAND 34B24(YGCB)	168.1*	154.2*	170.7*	27.7	100.0	2.0	56.7
DYNA-GRO 57P69Bt/RR			170.3*	26.0	100.0	4.5	55.0
LG SEEDS LG2540Bt			170.2*	25.3	100.0	1.5	55.0
ADLER 4500YGCB			168.9*	28.8	100.0	1.5	55.3
NK-BRAND N70-T9			168.2*	28.5	100.0	1.0	53.7
GOLDEN HARVEST H-8906			167.3	25.7	100.0	4.5	54.0
VIGORO BRAND V52Y41(Bt)			165.0	24.3	100.0	2.5	52.3
BIO GENE BG1111			164.8	22.8	100.0	5.1	52.3
SEED CONSULTANTS SC10R92		140.6	164.5	23.3	100.0	8.1	52.7
GARST 8461			164.2	24.4	100.0	5.6	52.0
GARST 8443			164.1	24.0	100.0	2.5	54.3
DEKALB DKC62-15		149.7*	164.1	27.5	100.0	5.1	54.3
CROW'S 4911B			163.6	25.3	100.0	3.5	53.7
BIO GENE RRBT1122			159.6	27.1	100.0	2.5	55.3
GATEWAY 9411Bt	151.3	128.4	159.1	26.9	100.0	3.0	54.3
WYFFELS W6570		138.3	158.1	25.8	100.0	4.5	52.3
BECK'S 5422CBCL			157.9	27.9	100.0	3.5	55.0
ASGROW RX718RR/YG			157.1	22.0	100.0	0.5	56.0
SEED CONSULTANTS SC1133		135.2	157.0	28.4	100.0	6.1	53.7
GATEWAY 3912BTR			156.3	24.3	100.0	3.0	52.3
DEKALB DKC 60-19(RR/YGCB)			155.9	23.7	100.0	5.6	54.0
ADLER 2700			155.8	25.9	100.0	3.5	53.0
NK-BRAND N65-M7		136.9	155.6	25.4	100.0	3.5	54.3
GATEWAY 2612CL			153.7	28.6	100.0	7.1	55.7
LG SEEDS LG2585	163.0*	131.9	152.8	24.9	98.5	5.7	51.7
WYFFELS W7293(YG)			152.7	26.9	97.5	1.0	55.3
LG SEEDS LG2607Bt			152.3	26.3	100.0	1.5	54.3
EXSEGEN ES112	162.1*	136.9	150.9	25.2	100.0	5.1	52.0
AGRIGOLD A6445	166.4*	139.0	150.8	23.4	100.0	8.1	53.3
NK-BRAND N70-F1			150.6	29.7	100.0	1.5	52.7
BELLE 1140RY			150.1	30.3	100.0	4.0	55.0
DYNA-GRO 5545		131.7	150.1	27.2	100.0	6.6	53.3
SO.STATES SS670Bt	163.3*	138.8	149.9	29.0	100.0	5.1	54.3
MYCOGEN 2E705(YG)			149.1	25.4	100.0	3.5	51.7
CROW'S 5044B			148.3	27.7	100.0	1.5	54.3
PFISTER 2450Bt			148.1	27.1	100.0	2.0	55.0
WYFFELS W7273(YG)			147.1	25.8	100.0	3.0	53.0
CAVERNDAL CF788RR			145.3	25.4	100.0	4.0	53.0
DEKALB DKC61-24			142.0	21.8	100.0	7.6	53.3
EARLY CHECK	145.0	116.9	139.5	27.6	100.0	6.6	52.7
AGRIGOLD A6490CL		139.0	135.3	26.6	100.0	5.1	53.3
AGRIGOLD A6467			132.6	27.8	100.0	4.0	53.3
DEKALB DKC 60-17(RR)			132.4	25.0	100.0	9.1	53.3
Early Average	159.9	137.8	155.2	25.8	99.9	4.1	53.8
LSD (0.10)	11.7	11.8	18.0	1.8	1.0	3.8	1.8
C.V.			8.6	5.2	0.7	68.9	2.5

* 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.

TABLE 12E. YIELD SUMMARY, 2003, EARLY AVERAGE (112 DAYS TO MATURITY OR EARLIER), HOPKINSVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 34B24(YGCB)	213.8*	223.8*	259.4*	15.9	100.0	0.0	59.7
SEED CONSULTANTS SC1133		216.1*	258.9*	16.1	100.0	1.5	57.0
DEKALB DKC62-15		223.7*	255.8*	14.9	100.0	1.5	58.3
MYCOGEN 2E705(YG)			254.4*	16.4	100.0	0.0	56.0
CROW'S 4911B			254.0*	16.2	100.0	0.5	57.0
BECK'S 5422CBCL			253.3*	16.2	100.0	0.5	58.7
DYNA-GRO 57P69BT/RR			252.6*	15.7	100.0	0.0	56.0
ADLER 2700			247.3*	15.5	100.0	1.0	56.3
AGRIGOLD A6395Bt			243.9*	14.5	100.0	0.5	56.0
SEED CONSULTANTS SC10R92		217.6*	243.2*	16.1	100.0	2.5	56.7
VIGORO BRAND V52Y41(Bt)			242.6*	16.2	100.0	1.0	56.0
PFISTER 2450Bt			242.3*	14.5	100.0	0.0	57.3
NK-BRAND N70-F1			242.2*	17.6	100.0	1.0	57.3
WYFFELS W6570		221.7*	242.1*	14.3	100.0	2.0	55.7
BIO GENE BG1111			242.0*	15.6	100.0	1.5	57.0
AGRIGOLD A6445	195.8	207.1*	240.8*	15.8	100.0	2.5	56.3
DEKALB DKC 60-19(RR/YGCB)			240.2	15.9	100.0	1.0	57.3
BELLE 1140RY			240.2	17.9	100.0	1.0	58.0
LG SEEDS LG2585	204.1*	211.5*	240.2	16.7	100.0	1.0	56.0
ADLER 4500			240.1	17.2	95.5	0.6	56.3
GATEWAY 3912BTR			239.4	16.7	100.0	1.5	56.3
LG SEEDS LG2540Bt			239.1	15.1	100.0	1.0	55.7
GATEWAY 2612CL			239.1	15.3	94.4	3.4	55.0
NK-BRAND N70-T9			238.1	18.9	100.0	0.0	57.7
CAVERNDALE CF788RR			238.0	16.1	100.0	2.5	57.7
NK-BRAND N65-M7		209.4*	236.9	16.1	100.0	0.5	56.3
DYNA-GRO 5545		205.0	235.6	15.9	95.5	2.6	56.3
WYFFELS W7273(YG)			235.5	15.8	100.0	0.0	55.7
GATEWAY 9411Bt	206.0*	212.1*	233.3	17.5	100.0	1.0	57.7
BIO GENE RRB1122			232.8	16.6	100.0	0.5	59.3
SO.STATES S670Bt	196.2	195.5	230.6	15.7	100.0	1.5	56.3
EXSEGEN ES112	199.7	210.5*	230.2	16.1	87.9	1.5	55.3
GARST 8461			228.4	15.7	100.0	1.0	56.7
DEKALB DKC61-24			228.1	13.7	97.5	5.2	56.3
DEKALB DKC 60-17(RR)			226.8	16.3	100.0	5.1	56.3
GOLDEN HARVEST H-8906			222.0	15.1	100.0	1.5	55.3
WYFFELS W7293(YG)			221.5	15.2	100.0	0.0	58.0
EARLY CHECK	182.7	182.5	218.6	16.8	100.0	0.0	57.3
GARST 8443			217.5	14.7	100.0	2.0	55.7
AGRIGOLD A6467			215.6	14.9	100.0	0.5	56.7
GOLDEN HARVEST H-9231		198.6	214.8	14.3	100.0	4.0	55.7
CROW'S 5044B			205.4	16.9	100.0	1.5	58.3
AGRIGOLD A6490CL		191.9	203.6	15.6	100.0	3.5	58.3
ASGROW RX718RR/YG			201.6	15.4	100.0	2.0	56.7
LG SEEDS LG2607Bt			199.4	14.5	100.0	0.0	56.7
EARLY AVERAGE	199.8	207.5	234.0	15.8	99.4	1.4	56.9
LSD (0.10)	12.6	16.7	18.8	1.0	5.1	2.6	1.3
C.V.			5.9	4.7	3.8	133.9	1.6

TABLE 12L. YIELD SUMMARY, 2003, LATE AVERAGE (118 DAYS TO MATURITY OR LATER), HOPKINSVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32D99			261.8*	17.5	100.0	1.0	60.7
GOLDEN HARVEST H-9461			247.8*	15.9	100.0	1.5	55.7
PIONEER BRAND 31G66			244.1	17.2	100.0	1.5	58.3
VIGORO BRAND V58Y41(Bt)			231.4	18.0	100.0	0.0	57.7
PIONEER BRAND 31N27			226.2	18.9	100.0	2.0	57.7
EXSEGEN ES617			224.4	18.7	99.0	1.0	58.7
AGRIGOLD A6710Bt			214.7	18.2	100.0	0.5	58.3
LATE CHECK	182.5*	179.8*	212.0	16.3	100.0	0.5	56.7
PIONEER BRAND 31G98	184.3*	174.1*	199.3	14.6	100.0	1.0	56.0
DYNA GRO 5515			194.0	16.2	100.0	3.0	55.7
LATE AVERAGE	183.4	176.9	225.6	17.2	99.9	1.2	57.5
LSD (0.10)	11.9	15.1	17.2	1.2	0.8	2.2	1.4
C.V.			5.4	4.9	0.6	129.8	1.7

* 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 in that column.

TABLE 12M. YIELD SUMMARY, 2003, MEDIUM AVERAGE (113-117 DAYS TO MATURITY), HOPKINSVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32H69(YGCB)			274.6*	18.6	100.0	0.0	56.3
PIONEER BRAND 33P67(YGCB)		211.7*	267.8*	19.1	100.0	0.0	57.3
GARST 8350YG1			264.4*	16.4	100.0	0.0	56.0
LG SEEDS LG2622Bt			262.1*	17.4	100.0	0.0	58.3
PIONEER BRAND 32W86		200.3*	253.8	15.9	100.0	1.0	58.3
PIONEER BRAND 33R77	209.2*	210.0*	252.1	17.5	100.0	0.5	58.0
PFISTER 3977Bt	204.3*	208.1*	248.6	19.0	100.0	1.5	56.7
VIGORO BRAND V55Y21Bt	215.8*	215.7*	248.2	16.8	100.0	0.0	57.3
NK-BRAND N75-C4		200.4*	247.6	17.4	100.0	0.0	56.7
BECK'S 0296			246.7	18.4	100.0	0.0	57.7
BIO GENE BG1150(YG)		199.1*	246.5	19.8	100.0	0.0	55.7
DYNA-GRO 57F87YG			245.3	18.8	100.0	0.0	56.3
DYNA-GRO 57K14			245.0	15.2	100.0	1.0	56.3
MYCOGEN 2A812(HX)			244.7	15.8	100.0	0.0	57.0
DEKALB DKC63-24(RR/YGCB)			244.1	14.9	100.0	0.5	56.3
AGRIGOLD A6610			243.7	16.8	100.0	1.0	56.7
GREAT LAKES6344			243.0	16.9	100.0	0.0	58.7
CROW'S 5165B		198.9*	242.6	16.5	100.0	1.0	56.7
PIONEER BRAND 33M54			242.6	18.2	97.5	0.5	56.0
GATEWAY 2416Bt			242.3	18.9	99.0	0.0	55.3
ADLER 7400			241.6	18.6	100.0	0.0	56.3
SO.STATES SS849CL	200.3	204.5*	241.3	18.5	100.0	2.5	56.7
CAVERNDAL CF837RR/BT			240.8	17.7	100.0	0.0	56.7
ADLER 6400			240.2	17.2	95.5	2.6	56.7
SO.STATES SS842RR	190.8	192.2	237.8	18.0	100.0	0.0	56.3
PFISTER 3356			236.5	19.3	97.0	0.5	56.3
MYCOGEN 2G768(HX)			236.1	15.0	100.0	0.0	56.0
SEED CONSULTANTS SC1140	202.5*	213.8*	235.7	16.1	100.0	1.5	56.0
BECK'S 7997CB		198.0*	235.6	17.8	99.0	0.0	56.3
DYNA GRO 57P35			234.9	17.0	100.0	0.0	57.3
GOLDEN HARVEST H-9364	204.9*	206.3*	234.6	15.7	100.0	1.5	56.3
WYFFELS W8653(YG)			234.1	15.7	100.0	0.5	56.3
GARST 8288	201.6*	196.9	233.2	17.9	97.5	2.1	57.0
GOLDEN HARVEST H-9247Bt	198.1	203.4*	232.9	14.6	100.0	0.0	57.0
DEKALB DKC64-11(RR/YGCB)			231.8	14.4	100.0	0.5	55.7
MYCOGEN 2D835			231.3	18.9	100.0	0.0	56.7
SO.STATES SS732		200.1*	230.5	16.4	100.0	1.0	56.7
MEDIUM CHECK	206.5*	203.2*	229.2	15.8	100.0	0.0	56.3
WYFFELS W8543(YG)			228.9	15.8	100.0	0.0	56.0
AGRIGOLD A6490Bt		204.3*	228.4	15.8	100.0	0.0	57.3
DEKALB DKC64-10 (RR)	191.9	197.6*	226.2	14.8	100.0	0.0	57.7
CAVERNDAL CF825Bt			224.4	18.3	100.0	0.0	57.3
AGRIGOLD A2300Bt			223.8	17.8	100.0	0.0	59.3
BIO GENE BG1130	196.8	194.7	223.0	15.3	100.0	4.0	55.7
VIGORO BRAND V5800	185.2	180.1	222.7	15.4	100.0	2.0	59.0
BELLE 1430Y			222.5	19.9	100.0	2.0	57.7
DYNA GRO-3914			222.2	17.0	100.0	4.5	56.0
PIONEER BRAND 33V15			220.9	16.5	100.0	1.5	57.0
SO.STATES SS740	189.9	188.2	220.8	15.6	100.0	1.5	56.7
SEED CONSULTANTS SC1124			220.1	15.2	100.0	0.0	56.0
GREAT LAKES6631Bt			219.2	20.6	100.0	0.0	56.0
LG SEEDS LG2631CL			217.6	16.1	100.0	3.5	55.7
BIO GENE BT1152(YG)		199.1*	216.8	17.7	98.0	0.0	57.3
SEED CONSULTANTS W11C44			215.6	15.5	99.0	1.0	60.3
SO.STATES SS753BT/CL			214.2	17.2	100.0	0.0	56.0
BELLE 1520RR			213.9	16.8	100.0	0.0	56.0
AGRIGOLD A6620CL			212.8	19.1	100.0	1.0	55.7
DEKALB DKC63-79(YGCB)			212.2	15.7	100.0	0.5	56.0
LG SEEDS LG2699CL		184.7	208.9	15.9	100.0	2.0	57.3
ASGROW RX774			208.5	15.6	100.0	0.0	57.7
DYNA GRO 3911			204.7	15.1	97.0	0.0	57.0
VIGORO BRAND V54R66(RR)			203.4	14.5	100.0	0.0	57.3
VIGORO BRAND 662023			202.8	14.9	92.9	1.1	56.0
GATEWAY 1615CL		173.2	201.1	18.9	95.5	3.8	57.7
MEDIUM AVERAGE	199.9	199.4	232.5	16.9	99.5	0.8	56.8
LSD (0.10)	14.3	18.3	17.3	1.0	2.6	1.7	2.2
C.V.			5.5	4.1	1.9	163.3	2.9

TABLE 12W. YIELD SUMMARY, 2003, WHITE AVERAGE (112-118 DAYS TO MATURITY), HOPKINSVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32T78		176.7	220.5*	17.0	98.5	1.5	60.3
MEDIUM CHECK	199.1*	192.2*	215.4*	14.9	100.0	1.5	58.3
PIONEER BRAND 33T17(W)	181.9	176.6	212.0*	15.3	100.0	2.5	58.0
EXSEGEN ES210W	166.3	165.4	192.5	15.6	100.0	0.5	58.3
ZIMMERMAN WX7853			192.1	18.7	100.0	0.5	57.7
ZIMMERMAN 1851W	174.1	167.8	191.4	18.6	100.0	0.5	56.7
ZIMMERMAN WX7663			191.3	17.9	100.0	0.5	58.0
WHITE AVERAGE	180.4	175.8	202.2	16.9	99.8	1.1	58.2
LSD (0.10)	9.7	14.6	13.0	1.5	1.4	1.8	1.9
C.V.			4.4	6.2	1.0	114.0	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.

TABLE 13E. YIELD SUMMARY, 2003, EARLY AVERAGE (112 DAYS TO MATURITY OR EARLIER), HODGENVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
VIGORO BRAND V52Y41(Bt)			240.3*	20.9	100.0	1.0	55.3
SD.STATES SS670Bt	205.6*	218.2*	234.1*	22.9	100.0	1.5	57.7
LG SEEDS LG2585	187.1	202.0	233.1*	21.0	100.0	0.0	56.3
DYNA-GRO 5545		204.7*	232.3*	24.2	100.0	1.5	56.0
BECK'S 5422CBCL			232.2*	24.6	96.5	0.6	58.3
AGRIGOLD A6395Bt			231.5*	21.7	100.0	0.0	55.0
ADLER 4500YGCB			228.6*	23.4	100.0	0.0	56.3
BELLE 1140RY			226.4*	24.1	100.0	0.0	55.3
SEED CONSULTANTS SC10R92		206.6*	226.4*	21.3	100.0	0.0	54.0
LG SEEDS LG2540Bt			225.2*	21.2	100.0	0.0	56.7
DYNA-GRO 57P69Bt/RR			224.4*	22.5	100.0	0.5	55.0
CAVERNDALE CF788RR			223.3*	21.5	100.0	0.0	56.3
MYCOGEN 2E705(YG)			223.1*	22.1	100.0	0.5	55.0
GARST 8461			222.8*	22.0	100.0	1.5	56.7
DEKALB DKC 60-19(RR/YGCB)			222.3*	21.4	100.0	0.0	55.3
AGRIGOLD A6445	202.3*	202.2	221.9*	22.6	100.0	1.0	57.3
WYFFELS W6570		198.3	221.0*	21.7	100.0	1.5	55.7
BIO GENE BG1111			220.6*	21.6	100.0	1.0	54.0
BIO GENE RRB1122			218.7	22.2	100.0	0.5	55.7
PIONEER BRAND 34B24(Bt)	209.6*	206.5*	218.0	22.3	100.0	0.0	56.7
EXSEGEN ES112	186.7	203.1	217.7	21.2	100.0	2.0	54.7
ADLER 2700			217.3	22.5	100.0	0.0	56.7
CROW'S 4911B			217.2	22.0	100.0	1.0	56.7
WYFFELS W7293(YG)			216.3	22.6	100.0	0.0	56.0
SEED CONSULTANTS SC1133		207.6*	216.2	22.7	98.5	0.0	55.0
PFISTER 2450Bt			215.5	20.9	100.0	0.0	55.3
NK-BRAND N70-T9			214.3	23.4	100.0	1.0	57.0
GATEWAY 9411Bt	193.3	192.3	212.8	22.7	100.0	0.0	55.3
NK BRAND N65-M7		194.1	212.7	21.4	100.0	1.0	55.0
GOLDEN HARVEST H-9231		207.2*	212.4	23.4	100.0	1.0	55.3
GATEWAY 3912BTR			212.3	24.2	100.0	0.5	56.0
NK-BRAND N70-F1			212.2	25.2	100.0	0.0	56.0
AGRIGOLD A6490CL		195.4	211.8	24.2	100.0	1.5	58.3
GOLDEN HARVEST H-8906			210.4	20.8	100.0	0.5	56.3
DEKALB DKC62-15		201.7	209.6	23.1	100.0	0.5	55.7
DEKALB DKC61-24			208.6	22.4	100.0	0.5	54.3
CROW'S 5044B			208.2	22.3	97.0	0.5	55.0
AGRIGOLD A6467			207.9	22.1	100.0	0.5	56.3
GATEWAY 2612CL			206.8	25.5	100.0	2.0	53.3
WYFFELS W7273(YG)			206.7	22.4	100.0	0.5	56.7
DEKALB DKC 60-17(RR)			195.8	22.3	100.0	0.0	55.3
LG SEEDS LG2607Bt			195.8	20.1	100.0	0.0	56.7
ASGROW RX718RR/YG			195.2	20.4	100.0	0.0	55.0
GARST 8443			195.2	22.6	100.0	1.0	57.0
EARLY CHECK	166.8	172.9	187.5	22.9	100.0	1.0	56.7
Early Average	193.1	200.9	215.4	22.4	99.8	0.7	55.8
LSD (0.10)	12.3	15.0	20.9	2.2	1.9	1.5	3.2
C.V.			7.2	7.1	1.4	171.9	4.3

TABLE 13L. YIELD SUMMARY, 2003, LATE AVERAGE (118 DAYS TO MATURITY OR LATER), HODGENVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32D99		195.6*	28.5	100.0	0.5	54.3
GOLDEN HARVEST H-9461		194.2*	28.6	100.0	0.5	52.0
PIONEER BRAND 31G66		187.3*	26.9	100.0	0.5	53.7
EXSEGEN ES617		186.2*	29.9	100.0	0.5	54.0
VIGORO BRAND V58Y41(Bt)		185.8*	27.9	100.0	0.0	54.3
DYNA-GRO 5515		173.4*	24.6	100.0	0.0	55.0
PIONEER BRAND 31N27		172.8*	26.8	100.0	1.5	55.0
PIONEER BRAND 31G98	188.0*	171.9*	17.1	97.0	1.0	55.3
AGRIGOLD A6710Bt		167.3	27.2	100.0	0.0	56.3
LATE CHECK	165.3	161.9	29.1	100.0	0.0	53.3
Late Average	176.7	179.6	26.7	99.7	0.5	54.3
LSD (0.10)	19.1	24.0	1.7	2.3	1.1	2.5
C.V.		9.4	4.6	1.7	170.9	3.2

* 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.

TABLE 13M. YIELD SUMMARY, 2003, MEDIUM AVERAGE (113-117 DAYS TO MATURITY), HODGENVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
BELLE 1430Y		214.3*	28.7	100.0	0.5	59.0
ADLER 6400		214.3*	27.5	96.0	0.5	58.0
GREAT LAKES6344		212.6*	22.0	100.0	0.5	55.0
DYNA-GRO 57F87YG		211.6*	28.4	100.0	0.0	55.3
DYNA-GRO 3914		211.6*	27.8	100.0	0.0	56.7
GARST 8350YG1		210.1*	23.4	100.0	0.0	56.7
PIONEER BRAND 33R77	227.1*	208.5*	27.1	99.0	0.5	55.7
GOLDEN HARVEST H-9247Bt	207.8*	207.6*	22.1	100.0	0.5	58.7
PIONEER BRAND 33V15		206.7*	24.7	100.0	2.5	57.7
NK-BRAND N75-C4	211.2*	205.1*	26.5	100.0	1.0	58.3
ADLER 7400		204.0*	29.0	100.0	0.5	58.7
CROW'S 5165B	195.5	203.1*	23.9	100.0	0.0	56.0
PFISTER 3977Bt	207.4*	201.5*	28.7	100.0	0.5	56.7
GATEWAY 2416Bt		201.4*	28.7	100.0	0.0	56.7
SO.STATES SS842RR	191.5	200.8*	29.5	100.0	2.5	54.3
DYNA-GRO 57K14		200.3*	21.7	100.0	1.0	54.3
PIONEER BRAND 32W86	216.9*	199.7*	22.8	100.0	0.0	59.0
SO.STATES SS849CL	193.8	197.9*	26.9	100.0	2.0	54.0
DEKALB DKC64-10(RR)	204.7	197.6*	22.7	100.0	1.0	53.3
AGRIGOLD A6610		196.6*	22.7	100.0	0.0	53.7
PIONEER BRAND 33P67(YGCB)	199.3	196.2*	24.4	100.0	0.5	58.7
DEKALB DKC63-24(RR/YGCB)		195.8*	20.4	97.5	0.5	54.0
PFISTER 3356		195.5*	28.5	100.0	0.0	55.7
BIO GENE BG1150(YG)	199.8	194.6*	29.0	100.0	1.0	57.0
SEED CONSULTANTS SC1124		194.5*	22.5	100.0	0.5	55.0
CAVERDALE CF825Bt		193.7*	25.3	100.0	1.0	54.0
DEKALB DKC63-79(YGCB)		192.9*	23.9	100.0	0.0	56.0
GOLDEN HARVEST H-9364	191.8	192.7*	22.4	100.0	1.0	53.7
SEED CONSULTANTS SC1140	206.5	190.9*	22.5	100.0	3.0	56.0
AGRIGOLD A2300Bt		190.1*	23.8	100.0	0.0	55.7
MYCOGEN 2D835		189.5*	27.7	100.0	1.0	54.7
VIGORO BRAND V55Y21Bt	198.2	189.5*	25.1	100.0	1.0	55.0
ASGROW RX774		189.3*	24.0	100.0	1.5	57.7
BECK'S 0296		188.9*	27.7	100.0	0.0	53.0
SO.STATES SS753Bt/CL		188.3*	25.2	100.0	0.0	58.0
SO.STATES SS740	203.8	187.6*	23.5	100.0	2.0	54.3
BELLE 1520RR		186.9*	26.2	100.0	1.5	58.3
SEED CONSULTANTS W11C44		186.5*	24.7	100.0	0.0	54.7
GARST 8288	200.1	186.0*	26.2	100.0	0.0	56.3
DYNA-GRO 57P35		185.6*	25.5	100.0	1.0	56.7
SO.STATES SS732	187.8	185.3	24.8	100.0	0.0	53.3
WYFFELS W8543(YG)		185.2	23.6	94.9	0.6	58.7
AGRIGOLD A6490Bt	192.7	185.2	21.1	100.0	0.5	56.7
VIGORO BRAND 662023		185.0	21.2	93.4	1.1	57.0
PIONEER BRAND 32H69(YGCB)		184.1	25.8	100.0	2.0	58.3
BIO GENE BG1130	201.2	183.5	23.3	100.0	0.5	57.7
VIGORO BRAND V5800	193.1	182.3	23.3	100.0	0.5	54.3
CAVERDALE CF837RR/Bt		182.2	25.0	100.0	0.0	53.3
GREAT LAKES6631Bt		181.3	28.6	100.0	0.0	54.3
LG SEEDS LG2622BT		180.0	25.5	100.0	0.0	53.3
PIONEER BRAND 33M54		179.8	24.7	100.0	0.5	57.0
DYNA-GRO 3911		179.7	24.0	92.4	1.0	54.0
MEDIUM CHECK	192.7	177.8	23.9	100.0	0.5	55.0
MYCOGEN 2G768(HX)		177.0	23.4	100.0	0.0	53.0
DEKALB DKC64-11(RR/YGCB)		176.4	24.0	100.0	0.5	53.7
MYCOGEN 2A812(HX)		175.9	26.7	100.0	1.5	53.0
BECK'S 7997CB	182.6	175.4	27.9	97.5	0.0	56.0
VIGORO BRAND V54R66(RR)		173.6	22.7	100.0	1.5	55.7
WYFFELS W8653(YG)		172.2	22.7	100.0	1.0	55.3
LG SEEDS LG2631CL		169.6	23.5	100.0	0.5	52.0
BIO GENE Bt1152(YG)	184.1	169.2	27.7	96.5	1.0	54.7
AGRIGOLD A6620CL		167.4	26.8	100.0	0.5	53.7
LG SEEDS LG2699CL	191.1	167.4	25.8	94.9	1.1	54.7
GATEWAY 1615CL	183.2	164.0	28.3	96.0	1.7	56.3
Medium Average	198.6	190.3	25.1	99.3	0.7	55.7
LSD (0.10)	20.5	28.7	1.8	3.1	1.6	2.5
C.V.		11.1	5.3	2.3	164.0	3.4

TABLE 13W. YIELD SUMMARY, 2003, WHITE AVERAGE (112-117 DAYS TO MATURITY), HODGENVILLE, KY.

BRAND/HYBRID	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
MEDIUM CHECK	195.8*	181.5*	24.0	100.0	1.0	54.7
ZIMMERMAN 1851W	200.1*	178.0*	30.7	100.0	0.5	55.3
EXSEGEN ES210W	180.5	174.5*	22.7	100.0	0.0	56.3
PIONEER BRAND 33T17(W)	193.9*	172.7*	23.0	100.0	0.0	57.3
PIONEER BRAND 32T78	199.5*	172.4*	27.5	100.0	0.5	56.7
ZIMMERMAN WX7663		160.2*	30.2	99.5	0.0	53.3
ZIMMERMAN WX7853		151.2	26.2	99.5	0.5	53.3
White Average	194.0	170.1	26.3	99.9	0.4	55.3
LSD (0.10)	14.1	21.9	2.6	0.7	1.3	1.1
C.V.		8.9	6.7	0.5	242.3	1.4

* 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 in that column.

TABLE 14E. YIELD SUMMARY, 2003, EARLY AVERAGE (112 DAYS TO MATURITY OR EARLIER), LEXINGTON, KY.

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
NK-BRAND N70-F1	269.3*	22.3	100.0	0.0	57.7
CROW'S 4911B	265.9*	22.3	100.0	0.0	57.7
VIGORO BRAND V52Y41(Bt)	265.0*	22.4	100.0	0.0	58.0
ADLER 4500YGCB	264.7*	23.6	100.0	0.0	58.7
BECK'S 5422CBCL	262.9*	21.7	100.0	0.0	55.7
DYNA-GRO 5545	260.4*	21.5	100.0	0.5	57.7
NK-BRAND N65-M7	259.9*	21.2	100.0	0.5	58.0
DEKALB DKC62-15	259.4*	20.3	100.0	0.0	56.7
GATEWAY 2612CL	258.3*	22.7	100.0	0.0	56.7
DYNA-GRO 57P69Bt/RR	256.0*	20.9	100.0	0.0	56.7
AGRIGOLD A6445	254.1*	19.6	100.0	1.0	58.3
BELLE 1140RY	251.8*	23.1	100.0	0.0	57.3
GOLDEN HARVEST H-8906	251.0*	20.5	100.0	0.0	57.0
SO.STATES SS670Bt	250.7*	21.5	100.0	0.0	56.0
EXSEGEN ES112	250.7*	20.0	100.0	0.0	55.3
CAVERNDALE CF788RR	250.7*	20.9	100.0	0.0	58.0
LG SEEDS LG2585	250.4*	21.8	100.0	0.5	56.3
BIO GENE BG1111	250.1*	21.0	100.0	0.0	56.7
MYCOGEN 2E705(YG)	248.7	21.4	100.0	0.0	57.3
NK-BRAND N70-T9	247.7	22.3	100.0	0.0	57.7
AGRIGOLD A6395Bt	246.7	19.4	100.0	0.5	58.0
SEED CONSULTANTS SC10R92	245.9	21.1	100.0	0.5	57.7
PIONEER BRAND 34B24(Bt)	245.7	21.0	100.0	0.0	59.3
GATEWAY 3912BTR	245.3	21.2	100.0	0.0	56.0
ADLER 2700	244.5	20.8	100.0	1.0	58.0
WYFFELS W6570	244.1	21.5	100.0	0.0	57.7
GARST 8461	242.1	20.6	100.0	1.5	58.7
SEED CONSULTANTS SC1133	237.6	20.4	100.0	0.5	59.0
LG SEEDS LG2540Bt	235.8	19.6	100.0	0.5	55.7
DEKALB DKC 60-19(RR/YGCB)	235.6	20.3	100.0	0.5	58.3
AGRIGOLD A6467	234.4	21.5	100.0	0.0	60.0
CROW'S 5044B	233.7	21.8	100.0	0.5	58.0
GOLDEN HARVEST H-9231	232.4	19.2	100.0	0.0	57.3
AGRIGOLD A6490CL	231.6	23.5	100.0	0.0	61.3
GATEWAY 9411Bt	228.0	22.2	100.0	0.0	56.3
EARLY CHECK	227.5	21.6	100.0	0.0	58.0
DEKALB DKC61-24	226.2	21.2	100.0	0.0	57.0
WYFFELS W7273(YG)	226.0	19.7	100.0	0.0	57.3
BIO GENE RRBt1122	222.6	22.8	100.0	0.0	59.0
WYFFELS W7293(YG)	222.5	23.6	100.0	0.0	59.3
PFISTER 2450Bt	221.7	19.8	100.0	0.5	57.7
DEKALB DKC 60-17(RR)	219.4	20.7	100.0	0.0	58.7
GARST 8443	217.7	21.4	100.0	0.0	57.7
ASGROW RX718RR/YG	214.6	19.9	100.0	0.0	59.0
LG SEEDS LG2607Bt	213.7	19.4	100.0	0.5	57.3
EARLY AVERAGE	241.4	21.3	100.0	0.2	57.8
LSD (0.10)	19.4	1.5	0.3	0.8	2.6
C.V.	5.9	5.3	0.3	299.7	3.3

TABLE 14L. YIELD SUMMARY, 2003, LATE AVERAGE (118 DAYS TO MATURITY OR LATER), LEXINGTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 31G66			264.9*	23.4	100.0	2.0	64.3
GOLDEN HARVEST H-9461			258.0*	21.0	99.5	0.5	61.0
PIONEER BRAND 32D99			252.3*	25.8	100.0	1.5	62.3
PIONEER BRAND 31N27			231.7	24.4	100.0	0.5	62.3
LATE CHECK	180.2*	167.6*	231.5	24.6	100.0	0.5	58.7
VIGORO BRAND V58Y41(Bt)			229.9	24.1	100.0	1.0	60.3
EXSEGEN ES617			227.2	25.2	100.0	1.0	63.3
DYNA-GRO 5515			221.7	20.8	100.0	0.0	59.3
PIONEER BRAND 31G98	188.6*	171.7*	220.3	17.0	99.5	1.5	59.3
AGRIGOLD A6710Bt			217.9	24.2	100.0	0.0	59.0
LATE AVERAGE	184.4	169.7	235.5	23.0	99.9	0.9	61.0
LSD (0.10)	11.2	14.6	19.6	1.8	0.6	1.3	1.9
C.V.			5.9	5.5	0.4	108.1	2.3

* 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 14M. YIELD SUMMARY, 2003, MEDIUM AVERAGE (113-117 DAYS TO MATURITY), LEXINGTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 33P67(YGCB)		205.6*	273.6*	26.0	100.0	0.0	58.3
SO.STATES SS849CL	197.7*	196.3*	270.7*	25.8	100.0	0.5	58.0
LG SEEDS LG2622Bt			269.5*	23.5	100.0	0.0	54.3
PIONEER BRAND 33R77	204.2*	193.1*	268.7*	23.7	100.0	0.0	59.3
SO.STATES SS732		195.4*	264.5*	20.8	100.0	0.5	58.7
GOLDEN HARVEST H-9364	201.5*	187.9	264.5*	21.2	100.0	1.0	58.0
PFISTER 3977Bt	196.1*	191.4*	264.2*	24.1	100.0	0.0	59.3
GATEWAY 2416Bt			264.1*	23.3	100.0	0.0	57.7
DYNA-GRO 57F87YG			262.6*	23.6	100.0	0.0	58.7
AGRIGOLD A6610			262.5*	21.7	100.0	0.5	56.3
BECK'S 0296			262.1*	24.1	100.0	0.0	57.3
DEKALB DKC63-24(RR/YGCB)			260.7*	20.1	100.0	0.5	58.0
PFISTER 3356			259.8*	23.7	100.0	0.0	56.3
ADLER 7400			259.6*	23.2	100.0	0.5	57.3
MYCOGEN 2A812(HX)			258.9*	21.2	100.0	0.0	57.0
SO.STATES SS842RR	182.3	180.7	258.7*	27.9	100.0	0.5	61.0
DYNA-GRO 57K14			257.4	18.4	100.0	0.0	56.7
VIGORO BRAND V55Y21Bt	185.4	177.3	255.9	20.7	100.0	0.5	56.0
CROW'S 5165B		194.5*	255.7	21.1	100.0	0.5	57.7
PIONEER BRAND 32H69(YGCB)			254.7	23.7	100.0	0.0	60.3
NK-BRAND N75-C4		187.7	254.1	22.8	100.0	0.0	57.3
MYCOGEN 2D835			253.4	23.9	100.0	0.0	57.3
BIOGENE BG1150(YG)		194.5*	252.5	24.3	100.0	0.0	58.0
SEED CONSULTANTS SC1140	186.1	180.1	252.5	21.9	100.0	2.0	58.3
BELLE 1520RR			250.1	22.7	100.0	0.5	59.7
DYNA-GRO CX03914			249.8	24.2	100.0	0.5	56.3
DEKALB DKC64-10 (RR)	197.8*	193.4*	249.3	20.3	100.0	0.0	56.3
BECK'S 7997CB		187.4	248.3	24.6	100.0	0.0	60.7
VIGORO BRAND V5800	195.0*	181.8	248.0	19.9	100.0	0.5	58.0
PIONEER BRAND 33V15			248.0	22.3	100.0	0.5	60.0
SO.STATES SS740	197.2*	196.5*	246.6	22.1	100.0	1.0	57.3
GREAT LAKES6344			246.2	21.1	100.0	0.5	54.0
CAVERNDAL CF837RR/Bt			245.8	22.5	100.0	0.0	55.3
DYNA-GRO 57P35			245.7	21.9	100.0	0.0	56.3
GARST 8288	194.5*	178.0	245.2	26.2	100.0	0.5	61.0
SEED CONSULTANTS W11C44			245.1	21.7	100.0	0.0	57.7
PIONEER BRAND 32W86		174.3	243.5	20.9	100.0	0.5	60.7
ADLER 6400			243.3	23.2	93.9	0.0	57.3
DEKALB DKC63-79(YGCB)			242.6	21.6	100.0	0.0	60.0
SO.STATES SS753Bt/CL			241.1	20.9	100.0	0.5	59.0
GOLDEN HARVEST H-9247Bt	189.4	187.7	240.5	20.7	100.0	0.0	57.7
DEKALB DKC64-11(RR/YGCB)			240.3	21.2	100.0	0.5	57.7
BIO GENE BT1152(YG)		183.8	238.8	25.6	97.5	0.0	58.3
MEDIUM CHECK	173.6	167.2	238.0	22.2	100.0	0.0	58.3
GARST 8350YG1			237.6	21.5	100.0	0.5	58.0
LG SEEDS LG2631CL			237.6	21.7	100.0	0.0	55.3
BIO GENE BG1130	188.5	186.8	235.3	21.1	100.0	1.0	58.7
CAVERNDAL CF825Bt			234.5	22.6	100.0	0.0	56.3
GREAT LAKES6631Bt			233.6	24.7	100.0	0.0	56.0
AGRIGOLD A6490Bt		182.1	230.6	21.6	100.0	0.0	58.3
PIONEER BRAND 33M54			229.9	23.9	100.0	2.5	62.3
MYCOGEN 2G768(HX)			229.6	19.0	99.0	0.0	55.7
GATEWAY 1615CL		167.3	228.5	25.0	100.0	0.5	58.3
AGRIGOLD A2300Bt			228.0	22.6	99.0	0.5	59.0
WYFFELS W8543(YG)			227.4	20.8	100.0	0.0	59.3
LG SEEDS LG2699CL		164.0	226.7	21.9	100.0	0.5	56.3
BELLE 1430Y			223.5	24.3	100.0	0.5	59.3
SEED CONSULTANTS SC1124			221.6	20.0	100.0	1.0	59.7
WYFFELS W8653(YG)			220.3	20.1	100.0	0.5	56.7
ASGROW RX774			216.1	19.7	100.0	0.0	58.7
VIGORO BRAND V54R66(RR)			210.4	21.0	100.0	1.0	57.3
AGRIGOLD A6620CL			203.8	23.7	99.0	0.0	57.0
VIGORO BRAND V54C69(CL)			201.6	20.1	94.9	0.0	57.3
DYNA-GRO 3911			193.6	21.1	91.9	1.2	55.7
MEDIUM AVERAGE	192.1	185.4	244.2	22.4	99.6	0.3	57.9
LSD (0.10)	12.6	15.1	16.1	1.3	2.4	1.1	2.7
C.V.			4.9	4.2	1.8	232.7	3.5

TABLE 14W. YIELD SUMMARY, 2003, WHITE AVERAGE (113-117 DAYS TO MATURITY), LEXINGTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32T78		181.5*	245.0*	23.3	100.0	4.5	62.7
PIONEER BRAND 33T17(W)	195.3*	188.8*	240.4*	19.9	99.0	2.0	61.0
MEDIUM CHECK	184.2*	183.1*	228.4*	18.5	100.0	5.6	58.3
ZIMMERMAN WX7853			224.0*	20.6	100.0	3.0	57.7
ZIMMERMAN 1851W	160.4	157.6	222.1*	22.5	96.5	4.5	59.7
ZIMMERMAN WX7663			201.3	22.5	79.8	4.0	58.3
EXSEGEN ES210W	171.3	166.8	195.3	19.0	100.0	2.5	58.3
WHITE AVERAGE	177.8	175.6	222.3	20.9	96.5	3.7	59.4
LSD (0.10)	12.8	19.1	31.2	1.4	11.3	4.4	1.7
C.V.			9.6	4.8	8.1	79.9	2.0

* 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.

TABLE 15E. YIELD SUMMARY, 2003, EARLY AVERAGE (112 DAYS TO MATURITY OR EARLIER), QUICKSAND, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
BECK'S 5422CBCL			197.2*	21.8	100.0	0.0	54.7
CROW'S 4911B			193.5*	20.0	98.5	0.5	56.0
GOLDEN HARVEST H-9231		162.0	188.0*	19.4	100.0	0.0	54.7
GATEWAY 2612CL			187.9*	22.2	100.0	0.0	53.7
NK-BRAND N70-T9			187.5*	23.5	100.0	0.5	53.7
ADLER 4500YGCB			182.4*	21.5	100.0	0.0	54.3
DEKALB DKC 60-17(RR)			177.6	20.2	100.0	0.5	55.3
AGRIGOLD A6490CL		173.4*	176.6	20.1	100.0	0.0	55.7
PFISTER 2450Bt			176.0	22.0	100.0	0.0	55.3
DYNA-GRO 57P69BT/RR			175.4	21.2	100.0	0.0	53.3
SEED CONSULTANTS SC1133	168.5		175.3	20.7	82.8	0.0	54.3
DEKALB DKC62-15	165.4		174.3	24.6	97.0	1.1	56.3
BIO GENE RRBt1122			173.8	20.4	100.0	0.5	56.3
DEKALB DKC61-24			173.5	20.9	94.4	0.6	55.0
NK-BRAND N65-M7		171.4*	171.0	21.7	100.0	0.0	54.7
PIONEER BRAND 34B24(Bt)	203.8*	186.9*	170.4	23.4	84.3	0.0	56.0
WYFFELS W7273(YG)			170.1	18.1	100.0	1.0	53.7
SO. STATES SS670Bt	174.1	150.6	168.3	22.6	97.0	0.0	54.7
GATEWAY 9411Bt	192.3*	178.6*	166.9	22.4	100.0	2.5	57.0
AGRIGOLD A6445	192.7*	178.7*	166.6	21.8	98.0	0.5	54.0
WYFFELS W7293(YG)			165.8	21.2	98.5	0.0	56.7
ADLER 2700			164.6	21.0	96.5	0.0	54.3
LG SEEDS LG2585	188.1	155.6	163.9	20.9	100.0	0.0	53.3
CROW'S 5044B			159.5	21.5	100.0	0.0	56.3
BELLE 1140RY			158.7	24.8	98.5	0.0	55.0
GARST 8443			158.1	20.6	98.0	0.5	52.7
VIGORO BRAND V52Y41(Bt)			156.9	22.3	91.9	0.5	54.3
GATEWAY 3912BTR			155.9	22.2	91.4	1.2	54.0
AGRIGOLD A6467			155.9	20.5	99.0	0.5	55.7
AGRIGOLD A6395Bt			153.5	20.3	99.0	0.0	53.7
EARLY CHECK	168.9	146.7	152.4	21.6	100.0	0.0	53.7
MYCOGEN 2E705(YG)			152.3	21.9	93.9	0.5	54.3
EXSEGEN ES112	191.6*	163.1	151.8	22.7	96.0	1.5	53.7
BIO GENE BG1111			151.5	20.9	95.5	0.0	53.7
NK-BRAND N70-F1			149.6	24.7	100.0	0.0	54.0
DYNA-GRO 5545		161.9	149.4	22.4	95.5	0.5	53.7
GARST 8461			149.2	21.5	98.5	0.0	53.7
LG SEEDS LG2540Bt			148.5	19.5	99.0	0.0	54.0
SEED CONSULTANTS SC10R92		169.6	148.0	19.4	100.0	0.0	53.3
CAVERNDAL CF788RR			144.8	20.5	98.5	0.0	55.7
ASGROW RX718RR/YG			144.1	19.4	100.0	0.5	55.0
GOLDEN HARVEST H-8906			143.8	20.6	99.0	0.5	54.0
LG SEEDS LG2607Bt			139.8	19.1	97.5	0.0	55.0
DEKALB DKC 60-19(RR/YGCB)			136.7	21.9	98.5	0.0	53.7
WYFFELS W6570		143.6	136.6	22.3	91.9	0.0	53.7
EARLY AVERAGE	187.3	165.1	161.5	21.4	97.2	0.3	54.7
LSD (0.10)	13.9	16.6	19.4	2.2	9.9	1.2	1.7
C.V.			8.9	7.6	7.5	261.5	2.4

TABLE 15L. YIELD SUMMARY, 2003, LATE AVERAGE (118 DAYS TO MATURITY OR LATER), QUICKSAND, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32D99			204.6*	28.3	100.0	1.0	62.0
PIONEER BRAND 31N27			194.3*	27.3	100.0	0.0	59.7
PIONEER BRAND 31G66			183.7*	25.9	100.0	1.0	57.7
VIGORO BRAND V58Y41(Bt)			170.6	25.6	100.0	0.0	56.3
GOLDEN HARVEST H-9461			166.6	25.7	100.0	0.0	53.3
EXSEGEN ES617			162.7	27.2	98.5	1.6	55.7
AGRIGOLD A6710Bt			162.4	26.7	98.0	0.0	54.3
DYNA-GRO 5515			157.2	21.7	93.4	0.0	55.0
LATE CHECK	162.5	153.2	153.6	27.3	100.0	0.0	54.3
PIONEER BRAND 31G98	201.8*	175.9*	137.5	18.3	100.0	0.0	53.3
Late Average	182.1	164.5	169.3	25.4	99.0	0.4	56.2
LSD (0.10)	11.9	14.6	23.1	1.8	5.5	0.9	2.6
C.V.			9.6	4.9	3.9	173.5	3.3

* 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 15M. YIELD SUMMARY, 2003, MEDIUM AVERAGE (113-117 DAYS TO MATURITY), QUICKSAND, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
SO.STATES SS842RR	221.7*	220.0*	215.5*	27.5	100.0	0.0	60.7
PIONEER BRAND 32W86		220.2*	209.5*	23.6	100.0	0.0	58.3
SO.STATES SS849CL	201.2	191.5	208.8*	26.2	100.0	1.5	57.3
DYNA-GRO 57F87YG			196.5*	25.2	100.0	0.0	54.7
PIONEER BRAND 33M54			192.4	25.5	100.0	0.0	58.7
SO.STATES SS753Bt/CL			187.3	25.0	100.0	0.0	55.7
MYCOGEN 2D835			187.0	26.4	96.0	0.0	53.7
BECK'S 0296			185.9	23.2	100.0	0.0	54.0
PFISTER 3356			184.5	23.2	100.0	0.5	55.0
DEKALB DKC64-10 (RR)	199.8	190.5	184.1	22.1	100.0	0.0	54.7
GATEWAY 2416Bt			183.9	24.1	100.0	0.5	57.7
BELLE 1520RR			180.9	26.0	98.5	0.0	55.7
PIONEER BRAND 33R77	205.0	192.3	180.4	26.0	99.0	1.0	56.3
PIONEER BRAND 32H69(YGCB)			180.3	25.1	96.5	0.5	55.7
ADLER 7400			180.2	25.5	100.0	0.0	53.7
GATEWAY 1615CL		189.7	178.4	26.5	100.0	0.0	59.0
CAVERNDAL CF837RR/Bt			177.2	23.3	96.0	0.0	55.7
LG SEEDS LG2699CL		193.6	177.1	24.3	100.0	0.0	54.3
GARST 8288	193.7	185.6	176.3	24.9	100.0	0.5	55.7
PFISTER 3977Bt	204.2	188.2	175.7	23.5	100.0	1.5	54.7
SEED CONSULTANTS W11C44			175.6	22.7	100.0	0.0	55.0
DYNA-GRO 03914			175.6	23.2	100.0	0.0	53.3
SO.STATES SS732		182.9	170.8	22.8	100.0	0.0	53.7
DEKALB DKC64-11(RR/YGCB)			170.7	23.7	100.0	0.0	54.7
SEED CONSULTANTS SC1140	196.5	178.3	170.6	23.9	100.0	0.0	55.0
BELLE 1430Y			170.5	27.2	100.0	0.0	55.7
ASGROW RX774			169.9	23.3	99.0	0.5	57.0
BIO GENE BG1150(YG)		181.9	168.7	25.0	100.0	0.5	53.0
VIGORO BRAND V55Y21Bt	197.7	174.5	167.6	22.7	100.0	0.0	53.7
AGRIGOLD A6490Bt		175.0	167.3	20.2	100.0	0.5	56.7
GARST 8350YG1			167.0	24.0	100.0	0.5	55.7
BIO GENE BG1130	197.3	185.5	166.7	23.9	100.0	1.0	55.3
DEKALB DKC63-24(RR/YGCB)			166.5	20.3	100.0	0.0	52.3
SEED CONSULTANTS SC1124			166.2	20.5	100.0	0.0	54.3
VIGORO BRAND V5800	204.8	190.0	166.0	23.0	100.0	0.5	56.3
MEDIUM CHECK	200.1	185.0	165.2	22.8	100.0	0.0	53.7
MYCOGEN 2A812(HX)			163.6	25.6	100.0	0.0	54.7
GOLDEN HARVEST H-9247Bt	169.8	159.6	162.7	20.7	100.0	0.0	56.0
DYNA-GRO 57P35			162.6	22.9	93.4	0.0	54.3
LG SEEDS LG2622Bt			161.4	22.4	100.0	0.5	52.3
SO.STATES SS740	199.2	185.0	160.2	23.5	100.0	0.0	55.3
AGRIGOLD A2300Bt			159.5	22.6	100.0	0.0	55.3
PIONEER BRAND 33P67(YGCB)		180.1	157.5	22.9	100.0	1.0	54.3
CROW'S 5165B		184.7	157.1	23.8	99.0	0.5	52.0
AGRIGOLD A6610			157.0	24.2	92.4	0.0	55.3
GOLDEN HARVEST H-9364	188.4	167.8	157.0	21.5	100.0	0.0	52.7
LG SEEDS LG2631CL			156.9	20.3	100.0	0.5	53.3
DYNA-GRO 03911			156.3	23.9	90.9	0.6	54.0
MYCOGEN 2G768(HX)			156.1	20.6	98.5	0.0	51.7
GREAT LAKES6344			156.1	20.9	94.9	0.0	52.3
VIGORO BRAND V54R66(RR)			155.0	23.1	100.0	0.5	55.3
VIGORO BRAND 662023			154.9	21.1	90.4	0.5	53.7
ADLER 6400			154.8	25.2	96.0	0.0	52.3
DEKALB DKC63-79(YGCB)			154.7	23.6	100.0	0.0	55.7
BECK'S 7997CB		164.0	154.4	26.3	91.4	0.5	55.0
PIONEER BRAND 33V15			153.9	22.6	88.4	0.0	56.0
WYFFELS W8543(YG)			150.6	23.3	100.0	0.0	56.7
CAVERNDAL CF825Bt			150.1	23.8	100.0	0.0	52.3
WYFFELS W8653(YG)			145.7	24.1	97.5	0.0	53.7
GREAT LAKES6631Bt			140.2	26.0	97.5	0.0	52.0
AGRIGOLD A6620CL			138.3	26.2	92.9	0.0	52.3
BIO GENE BT1152(YG)		159.7	136.2	25.7	86.9	0.0	52.3
DYNA-GRO 57K14			128.5	21.5	97.0	0.0	52.7
NK-BRAND N75-C4		159.9	124.6	24.9	100.0	0.0	52.0
Medium Average	198.5	183.4	167.4	23.7	98.3	0.2	54.7
LSD (0.10)	12.9	17.2	21.4	2.3	5.6	0.9	2.9
C.V.			9.5	7.1	4.2	312.3	3.9

TABLE 15W. YIELD SUMMARY, 2003, WHITE AVERAGE (112-117 DAYS TO MATURITY), QUICKSAND, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT LODGE 2003	TEST WT LBS/BU 2003
PIONEER BRAND 32T78		180.2*	172.1*	26.7	99.0	1.5	57.0
ZIMMERMAN 1851W	183.1	169.1*	162.9*	24.9	100.0	1.0	54.3
EXSEGEN ES210W	187.9*	171.4*	160.6*	21.6	100.0	0.5	53.7
MEDIUM CHECK	194.6*	176.7*	156.9*	23.7	100.0	0.0	56.7
ZIMMERMAN WX7853			142.8	24.1	100.0	1.5	53.7
ZIMMERMAN WX7663			139.0	24.1	93.9	1.7	52.3
PIONEER BRAND 33T17(W)	161.5	148.9	128.7	23.7	100.0	0.5	54.7
White Average	181.8	169.3	151.9	24.1	99.0	1.0	54.6
LSD (0.10)	8.8	13.1	16.3	2.5	3.0	1.7	1.7
C.V.			7.4	7.0	2.1	122.4	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.

TABLE 16A. YIELD SUMMARY, 2003, HIGH OIL AVERAGE (113-117 DAYS TO MATURITY), LEWISPORT, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PFISTER 3977-19	183.3*	164.2*	197.4*	13.0	87.1	2.8	55.0
BECK'S 5322TC	176.4*	153.0	190.6*	12.4	79.2	3.1	55.3
PFISTER SK2652-19			187.3*	12.7	85.0	2.0	54.3
AGRIGOLD AA6445TC			186.6*	12.2	89.6	4.2	55.0
WYFFELS W5546		147.8	181.6	12.6	87.5	4.9	54.7
PFISTER SK2550-19	172.2	151.2	180.4	12.8	89.6	1.9	56.7
AGRIGOLD 6490TC			178.5	13.6	82.5	4.1	56.7
WYFFELS W7185			176.4	12.9	81.3	7.8	54.3
WYFFELS W7355TC	171.4	148.4	172.8	13.7	85.8	8.7	56.7
High Oil Average	175.8	152.9	183.5	12.9	85.3	4.4	55.4
LSD (0.10)	9.9	10.8	14.8	0.5	7.0	4.6	1.3
C.V.			5.7	2.7	5.7	72.4	1.6

TABLE 16B. YIELD SUMMARY, 2003, HIGH OIL AVERAGE (113-117 DAYS TO MATURITY), FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 01-03	YIELD BU/AC 02-03	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
AGRIGOLD 6490TC			214.0*	20.9	85.8	2.0	58.3
BECK'S 5322TC	202.3*	202.1*	203.8*	19.0	86.3	2.9	55.7
PFISTER SK2550-19	204.0*	194.6*	200.6*	17.4	77.9	3.8	57.7
PFISTER 3977-19	198.5*	201.4*	199.8*	20.8	89.6	2.3	56.3
WYFFELS W7185			197.2*	18.4	83.3	2.9	56.0
WYFFELS W7355TC	197.2*	190.6*	196.7*	18.8	80.0	3.6	58.0
AGRIGOLD AA6445TC			195.4*	19.3	86.3	4.8	55.3
PFISTER SK2652-19			195.0*	17.7	83.8	2.5	54.0
WYFFELS W5546		184.9*	175.3	17.8	80.8	2.5	57.7
High Oil Average	200.5	194.7	197.5	18.9	83.7	3.0	56.6
LSD (0.10)	12.5	17.2	25.8	2.4	7.2	2.1	2.5
C.V.			9.2	8.9	6.0	47.8	3.1

TABLE 16C. YIELD SUMMARY, 2003, HIGH OIL AVERAGE (113-117 DAYS TO MATURITY), LEXINGTON, KY.

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
AGRIGOLD AA6445TC	223.2*	17.0	90.4	5.1	54.3
PFISTER SK2652-19	212.9*	17.1	87.9	5.7	54.7
PFISTER 3977-19	205.2*	20.7	88.8	7.5	54.7
PFISTER SK2550-19	203.8*	16.2	90.4	6.4	56.0
WYFFELS W7355TC	201.7*	16.7	89.6	10.2	55.7
AGRIGOLD 6490TC	200.4	16.7	89.2	4.2	54.3
BECK'S 5322TC	199.0	16.0	81.3	4.6	53.3
WYFFELS W7185	192.5	15.6	89.2	9.3	54.7
WYFFELS W5546	187.7	16.0	90.0	5.5	54.7
High Oil Average	202.9	16.9	88.5	6.5	54.7
LSD (0.10)	21.7	1.7	4.0	3.3	1.8
C.V.	7.5	7.0	3.2	35.0	2.3

TABLE 16D. ANNUAL SUMMARY, 2003, HIGH OIL HYBRIDS, ALL LOCATIONS.

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
AGRIGOLD AA6445TC	201.7*	16.2	88.8	4.7	54.9
PFISTER 3977-19	200.8*	18.1	88.5	4.2	55.3
PFISTER SK2652-19	198.4*	15.8	85.6	3.4	54.3
BECK'S 5322TC	197.8*	15.8	82.2	3.5	54.8
AGRIGOLD 6490TC	197.6*	17.1	85.8	3.4	56.4
PFISTER SK2550-19	195.0*	15.5	86.0	4.1	56.8
WYFFELS W7355TC	190.4*	16.4	85.1	7.5	56.8
WYFFELS W7185	188.7	15.6	84.6	6.7	55.0
WYFFELS W5546	181.5	15.5	86.1	4.3	55.7
High Oil Average	194.7	16.2	85.8	4.7	55.6
LSD (0.10)	11.8	1.0	3.5	1.9	1.1

* 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 in that column.

TABLE 16E. TWO-YEAR SUMMARY, 2002-2003, HIGH OIL HYBRIDS, LEWISPORT AND FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PFISTER 3977-19	182.8*	16.2	82.4	3.1	55.1
BECK'S 5322TC	177.5*	14.0	80.1	2.3	54.8
PFISTER SK2550-19	172.9*	14.3	80.4	2.8	56.6
WYFFELS W7355TC	169.5	14.3	79.8	6.5	56.6
WYFFELS W5546	166.3	13.3	85.2	2.4	55.1
High Oil Average	173.8	14.4	82.0	3.4	55.6
LSD (0.10)	11.2	0.9	5.0	2.1	0.9

TABLE 16F. THREE-YEAR SUMMARY, 2001-2003, HIGH OIL HYBRIDS, LEWISPORT AND FULTON, KY.

BRAND/HYBRID	YIELD BU/AC 2003	% MOIST 2003	% STAND 2003	TOT % LODGED 2003	TEST WT LBS/BU 2003
PFISTER 3977-19	190.9*	16.0	84.5	3.5	54.3
BECK'S 5322TC	189.3*	13.9	80.6	3.8	53.6
PFISTER SK2550-19	188.1*	13.9	83.6	3.8	55.2
WYFFELS W7355TC	184.3*	14.3	81.7	6.2	55.8
High Oil Average	188.2	14.5	82.6	4.3	55.0
LSD (0.10)	9.1	0.7	3.7	1.8	0.8

* 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.

TABLE 16G. ANNUAL SUMMARY, 2003, HIGH OIL HYBRIDS, CHEMICAL COMPOSITION, LEXINGTON, KY.

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
AGRIGOLD A6446TC	10.6	6.6	61.4
AGRIGOLD 6490TC	13.0	7.6	58.3
WYFFELS W5546	11.5	7.7	60.5
WYFFELS W7185	12.4	8.1	60.3
WYFFELS W7355TC	11.8	7.5	60.0
PFISTER 3977-19	11.1	6.5	59.5
PFISTER 2550-19	12.3	7.3	59.7
PFISTER SK2652-19	11.8	6.6	60.8
BECK'S 5322TC	11.0	6.6	61.3
HIGH OIL AVERAGE	11.0	7.0	60.0

Note: To convert to 15% moisture multiply values by 0.85.

Mention or display of a trademark, proprietary product, or firm in text or figures does not constitute an endorsement and does not imply approval to the exclusion of other suitable products or firms.

