



2000 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 2000 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 4E, 4M, 4L, 5E, 5M, 5L, 6E, 6M, and 6L), 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 in one maturity group test with another grown at a different location and of the same or a different maturity group test. Hybrids are grouped into early, medium, and late 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 "Maturity Comparisons" and the "Experimental Design and Mean 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 2001. 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 to 117 days to maturity) and/or late (118 days to maturity or later) tests. The days to maturity classifications were made by the parent companies.

Location of Tests

The map on page 1 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 Princeton, Franklin, Lexington, Henderson, and Glendale test locations were planted no-till in soybean residues. The Mayfield test was planted minimum-till following soybean residue. The Quicksand test was planted in a conventionally tilled seedbed following corn. Fertilizer was applied as indicated by soil tests.

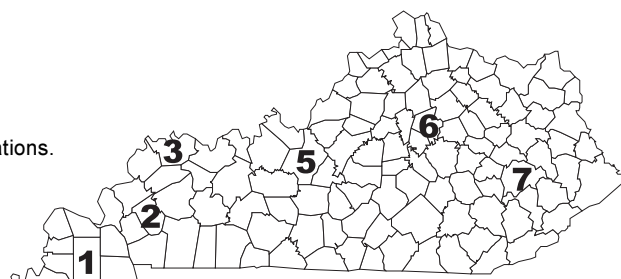
All test areas were treated with herbicide(s) and supplemented by post-emergence cultivation and/or herbicide when necessary. Force was applied in the row at planting to control corn rootworms. Table 3 shows the specific cultural treatment for each location.

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E=Early, L=Late, M=Medium

Locations of the 2000 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 variety A and variety B have the same yield in this test. However, the difference between variety A and variety C is 25 bu/ac (135-110=25), which is larger than the LSD of (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 coefficient of variation (C.V.) is a measurement of the variation that exists among hybrids in a test. 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 two-row, no-till planter modified for small plot work. The planter boxes were replaced by modified planting cones, which allowed planting 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/ac.

Harvesting

All plots were harvested with a modified 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 was 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 was also 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). The most severe indications of European Corn Borer damage (more than 50% broken tops) were observed at the Princeton and Mayfield locations. The least damage was observed at Henderson, Lexington, and Glendale (10 to 15% broken tops). 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, and late maturity test at each location. These samples were analyzed by the Kentucky Grain Quality Laboratory at Lexington¹ using Near Infrared Reflectance Spectroscopy (NIRS). The NIRS analysis provided evaluation of protein, starch, and oil and is presented in Table 7 for grain at 0% moisture.

Since grain used in feed rations contains some moisture, the composition variables provided in Tables 7 and 15 should possibly be used at a moisture content that is different than the 0% shown in Tables 7 and 15. To convert to a suitable moisture content—for example, 15% moisture—multiply the values in Tables 7 or 15 by 0.85. For any other moisture content, multiply the values by (100 - % 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 16 entries at three locations, with three replications per location. The average yield data for the three locations are available in Table 15D. 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 the Kentucky Grain Quality Laboratory at Lexington¹ using NIRS. The chemical composition values presented in Table 15F 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.

Maturity Comparisons

The division of the Kentucky Hybrid Corn Performance Test into three tests—early, medium and late maturities—was to provide evaluations of the three maturity group hybrids without competition biases. The three tests were grown at every location for a total of 21 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 includes those hybrids rated by the parent seed company to mature in 113 to 117 days.

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

The open-pedigree hybrids, FR1064 X FR450, FR27 X Mo17, and B73 X Pa91, 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, Ill.

Notes about the 2000 Growing Season

Mayfield (Graves County)

The Graves County test was planted on April 10 and replanted on May 8 due to poor stands from water damage. The test was thinned on June 13. Plant populations and early weed control were good even though the test had been replanted. The previous crop was soybeans. European and Southwestern corn borers caused considerable damage to the entire crop.

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

The Princeton test was planted on May 2 in soybean residue and was thinned on June 8. Weed control was poor. There were problems with vines and cocklebur. This location had extreme damage due to European and Southwestern corn borers.

Franklin (Simpson County)

The Franklin test was planted on May 4 and was thinned on June 9. Weed control was excellent during the entire season. Stands were good. Due to low, variable yields caused by extreme drought conditions during the growing season, this location was dropped. The C.V.'s for this location were greater than 20% for each test.

Henderson (Henderson County)

The Henderson County test was planted on April 27 in soybean residue and thinned on June 8. There were some weed problems but no insect problems. A high oil test was also grown at this location.

Glendale (Hardin County)

The Glendale test was planted no-till in soybean crop residue on April 15 and was thinned on May 30. Weed control was good during the entire growing season. There were no disease problems.

Lexington (Kentucky Agricultural Experiment Station, Spindletop Research Farm, Fayette County)

The Lexington test was planted on April 26. The test was thinned on May 31. A high oil test was also grown at this location.

Quicksand (Kentucky Agricultural Experiment Station, Robinson Substation, Breathitt County)

The Quicksand test was planted on May 10 and thinned on June 15. Early season weed control and seedling emergence were excellent for most plots. The late season weed control was poor. Vines, johnsongrass and cocklebur were present.

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. Several locations suffered reduced yields due to the extreme drought conditions during the growing season.

Acknowledgements

The authors sincerely appreciate efforts of the Kentucky Corn Growers Association in helping us upgrade plot equipment. A MF 8-XP combine was leased to the corn project at a minimal cost by the Kentucky Corn Promotion Council of the Kentucky Corn Growers Association. This combine contributes to improved accuracy of the data, which is reflected in lower C.V.'s. The combine uses a data collection system that provides test weight data along with yield and moisture.

The authors are also grateful to *Garry Swango* and the Kentucky Corn Growers Association for the help of the Grain Quality Laboratory, which processed more than 900 grain samples, and to the farmer-cooperators who not only provided land for testing, but helped with the tests throughout the growing season: *Jerry and John Griffith* of Mayfield, *Tim and Lori Hughes* of Morgantown, *Scott Langley* of Glendale, and *Dale Ayer* and the entire Henderson County Future Farmers of America Program. The authors also acknowledge the statistical and programming support of *Dr. Paul L. Cornelius* and *Danny Walls* of the University of Kentucky Agronomy Department.

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Jeff Watt, Extension Agent, Franklin

Mike Smith, Extension Agent, Henderson

Rod Grusy, Extension Agent, Elizabethtown

Barbara Appling and *Jill Regennitter*, student workers at the University of Kentucky

Where trade names are used, no endorsement is intended, nor criticism implied of similar products not named.

Table 1. Precipitation at Test Locations, 2000

Month	Days	Location					
		Mayfield	Princeton	Henderson	Glendale	Lexington	Quicksand
April	1-8	1.17	1.73	0.99	2.46	2.51	2.22
	9-16	1.08	0.56	0.47	0.43*	0.39	0.50
	17-24	1.92	2.45	0.68	0.65	1.20	1.09
	25-30	0.19	1.03	0.19*	0.75	0.00*	0.74
	Total	4.36	5.77	2.33	4.29	4.10	4.55
May	1-8	0.27*	0.57*	0.78	0.57	0.30	2.04
	9-16	0.90	1.17	1.53	0.60	0.62	0.55*
	17-24	0.14	1.24	0.92	2.48	1.21	1.55
	25-31	2.34	2.05	1.23	1.87	0.83	3.68
	Total	3.65	5.03	4.46	5.52	2.96	7.82
June	1-8	0.00	0.05	0.66	0.30	0.07	0.18
	9-16	0.20	0.82	0.62	0.62	0.50	0.82
	17-24	1.10	0.99	4.19	3.62	1.16	6.15
	25-30	0.07	1.21	1.35	0.19	1.49	1.71
	Total	1.37	3.07	6.82	4.73	3.22	8.86
July	1-8	0.54	0.12	0.48	0.10	1.11	0.14
	9-16	0.09	0.00	1.01	0.49	0.97	2.79
	17-24	0.20	1.17	0.61	0.35	0.42	0.08
	25-31	1.32	3.22	1.15	1.30	0.92	1.15
	Total	2.15	4.51	3.25	2.24	3.42	4.16
August	1-8	0.58	0.54	0.17	4.08	1.56	3.54
	9-16	0.00	0.00	0.05	2.38	0.75	1.72
	17-24	0.46	0.49	0.77	2.08	0.98	0.79
	25-31	0.03	0.96	1.30	0.02	0.09**	0.19
	Total	1.07	1.99	2.29	8.56	3.38	6.24
Sept.	1-8	0.33	0.50	0.23	0.14	1.54	1.25
	9-16	2.02	1.90	1.98	1.81**	0.95	0.25
	17-24	0.55**	0.95	1.04**	0.36	2.18	1.45
	25-30	0.35	0.78**	1.15	0.82	0.80	0.89
	Total	3.25	4.13	4.40	3.13	5.47	3.84
Grand Total		15.85	24.50	23.55	28.47	22.55	35.47

* Planted. ** Harvested in September. All others harvested in October.

Table 2. Hybrids Tested in 2000

	Hybrid	Test+ Color	Days to Maturity++	Source
Adler Seeds	3150	E Yellow	111	Adler Seed 6085 W 550 N Sharpsville, IN 46068
	5440	M Yellow	113	
Agrigold	A-6545	E Yellow	110	Agrigold Hybrids RR#1 Box 203 St. Francisville, IL 62460
	A-6540	M Yellow	113	
	A-6460	E Yellow	110	
	A-6469Bt	E Yellow	110	
	A-6598CL	M Yellow	114	
	A-6617	M Yellow	113	
	A-6729Bt	L Yellow	118	
	A-6675	L Yellow	117	
	A-3907	M Yellow	114	
	A-6620	L Yellow	116	
	A-6483RR	E Yellow	110	
	A-6609Bt	M Yellow	115	
	A-6490TC	HO Yellow		
A-6725TC	HO Yellow			
Agventure	AV1813	E Yellow	110	Donley Seed 709 East 4thh New Albany, IN 47150
	AV864	M Yellow	115	
	AV793RR	E Yellow	110	
	AV977	L Yellow	118	
Beck's	5912W	E White	112	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031
	6205	E Yellow	112	
	6262	E Yellow	112	
	4022	E Yellow	111	
	5422	E Yellow	111	
	8280	M Yellow	116	
	5405TC	HO Yellow		
	6205TC	HO Yellow		
Bio Gene	BG316	M Yellow	114	Bio Gene 5491 Tri County Hwy. Sardinia, OH 45171
	BG407	M Yellow	113	
	BG408	M Yellow	116	
	BG422	M Yellow	115	
	Bt4220	M Yellow	117	
Caverndale Farms	CF828Bt	M Yellow	114	Caverndale Farms, Inc. 1921 Bluegrass Road Danville, KY 40422
	CF832-IMI	M Yellow	115	
	CF835	M Yellow	116	
	CF885	M Yellow	116	
	CF890	M Yellow	117	
	CF940	M Yellow	116	
Croplan Genetics	TR1087	E Yellow	108	Land O' Lakes Croplan Genetics P.O. Box 171376 Memphis, TN 38187
	TR1089RR	E Yellow	108	
	TR1097	E Yellow	109	
	TR1106	E Yellow	110	
	TR1129RR	E Yellow	112	
	TR1157	M Yellow	115	
	TR1166Bt	M Yellow	116	
	TR1167CL	M Yellow	116	
	818	M Yellow	116	
	TR1226	L Yellow	122	
Crow's	C496Bt	E Yellow	112	Crow's Hybrid Corn Co. P.O. Box 306 Milford, IL 60953
	C5250	M Yellow	114	
	C702	L Yellow	120	
Dyna-gro	5505RR	E Yellow	112	UAP Mid-South 57 Germantown Court Suite 200 Cordova, TN 38018
	DG15548	L Yellow	118	
	15556	HO Yellow		
	15557	HO Yellow		
Exsegen	ES519	M Yellow	115	Miles Farm Supply P.O.Box 22879 Owensboro, KY 42304
	ES617	M Yellow	116	
	ES210W	E White	112	
	ES217	E Yellow	112	
Garst	8366IT	E Yellow	111	Garst Seed Co. 7728 State Road 1241 Hickory, KY 42051
	8220	L Yellow	120	
	8222IT	L Yellow	118	
Gateway	9411Bt	E Yellow	111	Gateway Seed Company 5517 VanBuren Road Nashville, IL 62263
	1157	M Yellow	115	
Golden Harvest	H-2552	E Yellow	111	Thorp Seed Company R.R. 3, Box 257 Clinton, IL 61727
	H-9471	M Yellow	115	
	H-9345	M Yellow	114	
	H-9229	M Yellow	113	
	H-9257HOC	HO Yellow		

(Table continued on next page.)

Table 2. Hybrids Tested in 2000 (continued)

	Hybrid	Test+	Color	Days to Maturity++	Source
LG Seeds	LG2726	M	Yellow	117	LG Seeds, Inc. Windfall Service Center 3200 N. State Road 213 Box 457 Windfall, IN 46076
	LG2637	M	Yellow	114	
	LG2651	M	Yellow	115	
	LG2606	M	Yellow	113	
	LG2696	M	Yellow	116	
	C7557	E	Yellow	111	
	C7640Bt	M	Yellow	114	
Monsanto	Asgrow RX794RR	M	Yellow	114	Monsanto 3100 Sycamore Rd. Dekalb, IL 60115
	Asgrow RX799Bt	E	Yellow	114	
	Asgrow RX764	E	Yellow	112	
	Asgrow RX843	M	Yellow	115	
	Asgrow RX748TC	HO	Yellow		
	Dekalb DKC65-25	M	Yellow	115	
	Dekalb DK658	M	Yellow	115	
	Dekalb DK647BtY	M	Yellow	114	
	Dekalb DK697	L	Yellow	119	
	Dekalb DK687	L	Yellow	118	
Dekalb DKC61-24	E	Yellow	111		
Mycogen	2767(Bt)	E	Yellow	112	Mycogen Seeds 105 Allison Lincoln, IL 62656
	2717IMI(Bt)	E	Yellow	110	
	2799IMI(Bt)	M	Yellow	114	
	2833(Bt)	M	Yellow	115	
	2725TC	HO	Yellow		
	7250TC	HO	Yellow		
Novartis	NK Brand N63-G7	E	Yellow	110	Novartis Seed Company P.O. Box 959 Minneapolis, MN 55440
	NK Brand N58-D1	E	Yellow	109	
	NK Brand N73-Q3	M	Yellow	113	
	NK Brand N79-L3	M	Yellow	117	
	NK Brand 83-Z5	L	Yellow	118	
Pfister Hybrids	2550	E	Yellow	111	Pfister Hybrid Corn Co. P.O. Box 187 El Paso, IL 61738
	3977	M	Yellow	115	
	3977-19	HO	Yellow		
	SK2550-19	HO	Yellow		
Pioneer Brand	33T17(W)	M	White	113	Pioneer Hi-Bred Int'l 6767 Old Madison Pike Suite 110 Huntsville, AL 35806
	34B23	E	Yellow	108	
	33J56	M	Yellow	113	
	33G26	E	Yellow	112	
	33K62(Bt)	M	Yellow	116	
	3335	M	Yellow	113	
	32K61	M	Yellow	114	
	33A14(Bt)	M	Yellow	113	
	33Y18	E	Yellow	112	
	33G27(Bt)	M	Yellow	113	
	31G98	L	Yellow	117	
	31R88	L	Yellow	118	
	31B13(Bt)	L	Yellow	118	
Southern States	SS670Bt	E	Yellow	110	Southern States Coop. P.O. Box 26234 Richmond, VA 23260
	SS710	E	Yellow	111	
	SS729CL	M	Yellow	114	
	SS691	M	Yellow	116	
	SS769Bt	M	Yellow	117	
	SS828	M	Yellow	117	
	SS849CL	M	Yellow	117	
	SS859CL	L	Yellow	119	
	SS900Bt	L	Yellow	120	

(Table continued on next page.)

Table 2. Hybrids Tested in 2000 (continued)

	Hybrid	Test+ Color	Days to Maturity++	Source
Zimmerman	N71-T7	E Yellow	111	Wilson Genetics, L.L.C. (Zimmerman Brand) P.O. Box 391 Harlan, IA 51537
	E7004	L Yellow	118	
	Z42	E Yellow	112	
	1790W	M White	113	
	1780W	M White	114	
	Z37	M Yellow	115	
	1851W	M White	116	
	Z64W	M White	115	
	EDX51	H0 Yellow		
	EDX92	H0 Yellow		
Wyffels	W7029TC	H0 Yellow		Wyffels Hybrids Inc. P.O. 246 Atkinson, IL 61235
	W7355TC	H0 Yellow		
K.A.E.S.	FR1064xFR450	E Yellow	112	Illinois Found. Seeds, Inc. P.O.Box 722 Champaign, IL 61820
	FR27xMo17	M Yellow	115	
	B73XPa91	L Yellow	119	

+ E=Early Test, M=Medium Test, L=Late Test and H0=High Oil Test.
++Data provided by seed companies.

Table 3. Agronomic Information Pertaining to 2000 Test Locations

Location and Cooperator	Soil Type	Fertilizer lbs/acre	Herbicide	Insecticide	Planting Dates	Harvest Dates
1) Mayfield, KY Jerry & John Griffith Bros. Farm	Memphis Silt Loam	N -200 P ₂ O ₅ - 92 K ₂ O - 0	Bicep II Aatrex Princep Paraquat	Force 1.5G Warrior	May 8	Sept. 18
2) Princeton, KY Western Kentucky Res. & Ed. Center	Huntington & Lindsie Silt Loam	N -185 P ₂ O ₅ - 0 K ₂ O -105	Beacon Bullet Gramoxone	Force 1.5G	May 2	Sept. 27
3) Henderson, KY Henderson Co. High School	Dekover Wikeland	N -180 P ₂ O ₅ -80 K ₂ O -110	Harness Extra Aatrex Pounce	Force 1.5G	April 28	Sept. 19
4) Glendale, KY Scott Langley Farm	Pembroke	N -170 P ₂ O ₅ - 70 K ₂ O - 90	Harness Extra Aim	Force 1.5G	April 15	Sept. 14
5) Lexington, KY K.A.E.S. Spindletop Farm	Maury Silt Loam	N -225 P ₂ O ₅ - 0 K ₂ O -100	Bullet Beacon	Force 1.5G	April 26	Sept. 22 & 26
6) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N -150 P ₂ O ₅ -120 K ₂ O -120	Bullet Beacon	Force 1.5G	May 10	Oct. 9 & 10

Table 4E-1YR. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Six Locations+

BRAND/HYBRID	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
CROW'S C496Bt	156.3*	15.0	98.6	3.1	55.6
SO. STATES SS670Bt	151.6*	16.3	99.2	3.8	56.3
ASGROW RX799Bt	150.3*	17.6	98.5	3.5	57.2
GATEWAY 9411Bt	150.2*	16.1	100.0	4.0	56.4
AGRIGOLD A-6545	150.0*	15.4	96.6	8.3	55.6
PFISTER 2550	149.7*	15.1	100.0	9.0	58.0
BECK'S 5422	148.4	15.1	100.0	9.7	55.0
AGRIGOLD A-6469Bt	146.9	16.5	97.7	2.3	56.4
MYCOGEN 2767(Bt)	145.6	15.9	99.6	8.4	55.3
PIONEER BRAND 34B23	145.2	14.5	98.9	7.1	58.2
SO. STATES SS710	144.5	14.1	100.0	4.4	55.6
BECK'S 4022	144.2	15.5	98.4	6.6	56.0
NK BRAND N58-D1	143.8	12.5	99.7	6.7	56.8
ASGROW RX764	143.7	14.6	99.3	5.4	56.5
PIONEER BRAND 33Y18	143.6	15.3	99.5	7.5	58.6
DYNA-GRO 5505RR	143.4	14.2	99.7	9.2	56.3
NK BRAND N63-G7	143.3	12.9	97.6	5.7	56.3
EXSEGEN ES217	143.1	15.7	98.1	7.4	55.0
ZIMMERMAN N71-T7	143.0	17.7	99.8	3.6	56.4
PIONEER BRAND 33G26	142.9	15.6	97.6	3.9	58.1
ADLER 3150	141.9	15.6	99.3	8.9	57.6
DEKALB DKC61-24	141.5	14.4	99.6	4.2	56.2
BECK'S 6262	141.5	14.6	99.7	5.8	56.5
LG SEEDS C7557	140.2	15.2	99.5	6.6	55.1
AGVENTURE AV1813	139.7	15.3	99.8	6.6	57.3
MYCOGEN 2717IMI(Bt)	139.6	13.5	97.7	4.7	55.4
GOLDEN HARVEST H-2552	139.4	14.5	98.4	7.8	54.3
ZIMMERMAN Z42	139.3	16.4	100.0	6.2	56.1
BECK'S 5912W	137.9	16.3	99.6	9.7	58.0
GARST 8366IT	137.5	15.0	99.3	6.0	56.4
CROPLAN GENETICS TR1089RR	136.7	13.5	98.1	5.8	53.0
CROPLAN GENETICS TR1129RR	136.6	14.3	100.0	7.9	56.9
AGRIGOLD A-6460	136.1	14.6	99.5	7.3	54.8
AGRIGOLD A-6483RR	135.9	14.3	100.0	8.2	55.6
AGVENTURE AV793RR	135.6	14.9	100.0	10.0	56.3
EXSEGEN ES210W	135.4	16.8	98.3	4.3	58.1
BECK'S 6205	134.0	15.8	97.9	6.9	55.1
CROPLAN GENETICS TR1087	132.4	13.9	99.4	7.9	54.7
CROPLAN GENETICS TR1097	130.2	15.0	96.7	7.7	55.8
CROPLAN GENETICS TR1106	129.7	15.5	98.4	7.3	54.9
FR1064 X FR450	125.4	14.1	98.9	6.1	55.8
EARLY AVERAGE	141.4	15.1	99.0	6.5	56.2
LSD (0.10)	7.4	0.7	1.6	2.5	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.

+ Simpson County data not included.

Table 4E-2YR. Two-year Summary, 1999-2000, Early Hybrids (112 Days to Maturity or Earlier), Six Locations+

BRAND/HYBRID	YIELD BU/AC 99-00	% MOIST 99-00	% STAND 99-00	TOT % LODGED 99-00	TEST WT LBS/BU 99-00
ASGROW RX799Bt	144.7*	17.4	99.2	4.6	58.6
NK BRAND N63-G7	144.1*	12.7	98.8	3.6	57.2
PIONEER BRAND 33Y18	143.4*	14.2	99.2	5.1	59.8
PIONEER BRAND 33G26	142.4*	14.9	98.8	3.0	59.0
NK BRAND N58-D1	141.9*	12.4	99.5	3.8	57.9
MYCOGEN 27171MI(Bt)	141.6*	13.0	98.3	3.2	56.7
SO. STATES SS710	141.4*	13.3	99.0	2.5	57.2
PIONEER BRAND 34B23	139.1*	14.2	99.5	4.8	59.3
ZIMMERMAN N71-T7	137.1	16.7	99.7	2.8	57.5
ZIMMERMAN Z42	137.0	15.6	99.7	3.6	57.4
LG SEEDS C7557	136.1	14.5	99.2	6.9	56.7
CROPLAN GENETICS TR1097	133.8	14.2	98.4	4.6	56.7
BECK'S 5912W	133.4	15.9	99.1	7.4	59.0
BECK'S 6205	133.2	15.4	98.9	4.5	56.2
GOLDEN HARVEST H-2552	133.0	13.1	98.7	4.8	55.6
DYNA-GRO 5505RR	131.0	13.5	99.4	6.6	57.1
CROPLAN GENETICS TR1106	127.6	14.8	97.9	5.0	56.0
CROPLAN GENETICS TR1129RR	126.3	13.6	99.9	6.1	57.7
FR1064 X FR450	125.1	13.1	97.9	4.0	56.7
EARLY AVERAGE	136.4	14.3	99.0	4.6	57.5
LSD (0.10)	6.0	0.5	1.1	1.5	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.

+ Simpson County data not included.

Table 4E-3YR. Three-year Summary, 1998-2000, Early Hybrids (112 Days to Maturity or Earlier), Six Locations+

BRAND/HYBRID	YIELD BU/AC 98-00	% MOIST 98-00	% STAND 98-00	TOT % LODGED 98-00	TEST WT LBS/BU 98-00
PIONEER BRAND 33G26	159.0*	14.8	97.7	2.6	60.0
PIONEER BRAND 33Y18	157.0*	14.3	99.2	4.2	61.0
NK BRAND N63-G7	156.0*	13.1	99.0	3.0	58.3
LG SEEDS C7557	151.6	14.4	99.2	5.4	57.5
BECK'S 5912W	149.7	15.7	99.4	5.5	60.1
BECK'S 6205	149.5	15.1	99.2	3.9	57.3
ZIMMERMAN Z42	148.5	15.4	99.4	2.8	58.5
GOLDEN HARVEST H-2552	146.8	13.1	99.0	4.0	56.5
CROPLAN GENETICS TR1106	143.8	14.7	97.7	4.0	56.6
FR1064 X FR450	131.8	13.4	98.5	3.5	56.8
EARLY AVERAGE	149.4	14.4	98.8	3.9	58.3
LSD (0.10)	5.2	0.3	1.1	1.1	0.6

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

+ Simpson County data not included.

Table 5M-1YR. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Six Locations+

BRAND/HYBRID	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TESTWT LBS/BU 2000
PIONEER BRAND 33G27(Bt)	158.8*	15.9	99.0	1.6	59.0
PIONEER BRAND 33A14(Bt)	158.0*	15.1	98.7	4.9	57.5
DEKALB DK647BtY	156.7*	16.0	98.1	2.9	57.2
PIONEER BRAND 33K62(Bt)	155.6*	17.1	98.1	1.9	60.2
PIONEER BRAND 33J56	153.9*	14.3	98.3	6.7	57.9
PFISTER 3977	152.0*	17.2	100.0	4.6	56.7
SO. STATES SS729CL	150.8	14.8	100.0	5.5	57.9
BECK'S 8280	150.2	18.3	100.0	5.6	58.9
MYCOGEN 2833(Bt)	150.1	16.0	99.2	3.9	55.7
CROPLAN GENETICS 818	149.2	17.1	99.7	5.7	56.3
AGRIGOLD A-6609Bt	148.9	17.1	100.0	4.0	57.9
GOLDEN HARVEST H-9471	148.5	15.4	100.0	4.9	57.9
BIO GENE Bt4220	148.3	18.6	96.1	2.6	58.2
SO. STATES SS849CL	147.9	17.2	99.7	5.2	55.2
GATEWAY 1157	147.7	18.5	99.4	5.1	58.4
CROPLAN GENETICS TR1166Bt	147.4	17.2	100.0	6.9	57.8
DEKALB DK658	147.0	14.5	99.8	4.3	57.5
PIONEER BRAND 33T17(W)	146.1	15.4	98.5	7.6	59.4
DEKALB DKC65-25	146.1	15.8	98.1	6.5	56.4
SO. STATES SS769Bt	146.1	16.5	98.9	3.9	57.5
LG SEEDS C7640Bt	145.7	14.8	98.6	2.5	56.5
BIO GENE BG316	145.4	17.1	100.0	6.4	56.3
CAVERNDAL CF940	144.6	15.7	100.0	6.4	58.0
AGRIGOLD A-6540	144.4	14.6	99.7	5.0	56.5
MYCOGEN 2799IMI(Bt)	144.0	15.1	99.6	4.4	55.9
BIO GENE BG422	143.3	17.9	93.5	4.6	58.3
ZIMMERMAN Z37	142.9	18.6	99.4	5.6	58.5
GOLDEN HARVEST H-9229	142.7	15.0	98.7	9.7	58.7
LG SEEDS LG2726	142.6	17.7	99.2	4.0	58.2
ADLER 5440	141.8	15.5	99.2	7.6	58.7
ASGROW RX794RR	141.2	15.6	99.5	3.2	55.9
CAVERNDAL CF828Bt	141.0	13.9	100.0	5.5	55.6
CROPLAN GENETICS TR1167CL	140.5	16.5	99.5	4.9	56.9
PIONEER BRAND 3335	140.2	14.4	100.0	6.0	57.1
AGRIGOLD A-3907	140.1	15.6	99.7	9.6	55.4
SO. STATES SS828	140.1	15.8	99.3	3.1	54.0
ASGROW RX843	139.6	16.6	99.4	8.3	57.7
LG SEEDS LG2606	139.3	14.9	98.5	8.5	55.1
CAVERNDAL CF835	139.2	15.3	99.2	7.3	56.1
AGRIGOLD A-6617	138.8	16.5	99.7	6.0	58.4
PIONEER BRAND 32K61	138.7	16.0	99.2	3.3	59.8
EXSEGEN ES617	138.6	18.1	100.0	6.1	58.2
EXSEGEN ES519	138.5	16.7	96.8	6.2	57.1
LG SEEDS LG2696	138.2	17.3	96.2	5.7	56.0
BIO GENE BG408	138.2	17.7	98.7	5.3	56.4
CAVERNDAL CF885	137.3	14.9	98.6	9.8	56.0
SO. STATES SS691	137.3	13.9	100.0	4.2	56.3
CAVERNDAL CF890	137.2	14.9	99.7	6.3	58.4
BIO GENE BG407	137.2	16.8	96.7	6.2	57.9
AGVENTURE AV864	137.2	15.1	100.0	5.9	56.0
ZIMMERMAN 1780W	137.0	18.7	100.0	5.8	55.8
CROPLAN GENETICS TR1157	136.9	16.4	98.9	4.2	55.4
LG SEEDS LG2637	135.3	16.1	98.4	6.3	56.9
NK BRAND N79-L3	135.3	17.2	98.5	4.7	59.8
AGRIGOLD A-6598CL	134.7	14.9	99.2	4.1	57.6
ZIMMERMAN 1851W	134.2	19.0	100.0	6.5	56.8
NK BRAND N73-Q3	133.9	14.6	100.0	10.4	56.7
ZIMMERMAN Z64W	133.7	18.1	99.6	6.4	56.9
FR27 X M017	133.4	16.2	99.7	5.3	54.0
CAVERNDAL CF832IMI	133.4	14.9	100.0	6.6	56.5
CROW'S C5250	133.0	15.5	99.7	6.7	55.9
ZIMMERMAN 1790W	132.9	18.0	99.8	8.3	56.4
GOLDEN HARVEST H-9345	130.2	14.8	99.0	7.6	58.2
LG SEEDS LG2651	129.5	15.3	96.9	6.7	56.4
MEDIUM AVERAGE	142.2	16.2	99.1	5.6	57.1
LSD (0.10)	6.9	0.8	1.6	2.2	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.

+ Simpson County data not included.

Table 5M-2YR. Two-year Summary, 1999-2000, Medium Hybrids (113-117 Days to Maturity), Six Locations+

BRAND/HYBRID	YIELD BU/AC 99-00	% MOIST 99-00	% STAND 99-00	TOT % LODGED 99-00	TESTWT LBS/BU 99-00
PIONEER BRAND 33G27(Bt)	143.0*	15.6	99.1	0.9	59.9
PFISTER 3977	142.0*	16.6	99.7	4.1	57.3
PIONEER BRAND 33K62(Bt)	141.9*	17.7	98.5	1.4	60.7
PIONEER BRAND 33A14(Bt)	141.5*	14.5	98.7	3.0	58.5
PIONEER BRAND 33J56	141.2*	15.4	98.1	4.7	59.0
SO. STATES SS769Bt	140.0*	16.0	99.5	5.0	58.1
SO. STATES SS729CL	136.7	14.4	100.0	5.4	58.2
BECK'S 8280	136.2	17.6	100.0	5.7	59.3
SO. STATES SS828	135.9	16.0	98.8	2.5	54.8
CROPLAN GENETICS TR1157	135.7	16.8	98.9	3.2	56.2
LG SEEDS LG2726	135.0	16.9	98.6	5.6	58.5
SO. STATES SS849CL	134.9	16.8	98.4	3.6	55.4
GATEWAY 1157	134.5	18.2	98.6	6.0	58.6
MYCOGEN 2799IMI(Bt)	134.4	14.6	99.3	3.1	57.2
CAVERNDALE CF940	133.9	15.5	99.0	5.1	57.6
PIONEER BRAND 32K61	133.5	16.7	99.6	2.2	60.8
PIONEER BRAND 3335	132.7	14.4	100.0	5.4	58.8
EXSEGEN ES519	132.6	17.3	97.0	4.2	57.1
LG SEEDS C7640Bt	132.4	14.1	99.3	2.9	57.1
ZIMMERMAN Z37	132.0	18.8	99.3	4.6	59.2
CAVERNDALE CF828Bt	131.0	13.8	99.2	3.6	56.9
FR27 X M017	130.4	16.2	99.7	3.0	55.2
EXSEGEN ES617	130.3	18.0	99.6	3.9	58.4
NK BRAND N79-L3	128.8	16.6	99.2	4.8	60.9
ZIMMERMAN 1851W	128.0	19.3	99.7	4.7	57.3
CAVERNDALE CF885	127.8	15.1	98.5	5.2	57.7
CAVERNDALE CF835	127.8	14.8	99.4	5.9	56.4
CAVERNDALE CF832IMI	127.4	15.1	99.8	4.4	57.5
ZIMMERMAN 1780W	126.7	18.0	98.9	4.6	56.0
CAVERNDALE CF890	126.4	13.9	99.7	4.5	58.2
GOLDEN HARVEST H-9229	126.1	14.3	99.1	7.5	59.5
ZIMMERMAN Z64W	125.5	18.3	98.8	5.5	57.5
ZIMMERMAN 1790W	123.5	17.0	99.9	5.6	57.1
GOLDEN HARVEST H-9345	121.1	14.4	99.3	5.9	59.9
MEDIUM AVERAGE	132.7	16.1	99.2	4.3	58.0
LSD (0.10)	6.1	0.7	1.1	2.0	0.6

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

+ Simpson County data not included.

Table 5M-3YR. Three-year Summary, 1998-2000, Medium Hybrids (113-117 Days to Maturity), Six Locations+

BRAND/HYBRID	YIELD BU/AC 98-00	% MOIST 98-00	% STAND 98-00	TOT % LODGED 98-00	TEST WT LBS/BU 98-00
PIONEER BRAND 33A14(Bt)	151.3*	14.4	99.1	2.5	59.2
PFISTER 3977	150.6*	16.2	99.8	3.4	57.7
GATEWAY 1157	150.0*	17.3	99.0	4.9	59.6
BECK'S 8280	149.6*	17.0	100	4.4	59.9
CROPLAN GENETICS TR1157	149.5*	16.2	99.3	2.8	56.1
SO. STATES SS769Bt	148.6*	15.9	98.8	4.3	59.0
PIONEER BRAND 32K61	147.8*	16.2	99.7	2.6	61.6
LG SEEDS LG2726	147.1*	16.6	98.9	4.6	59.4
SO. STATES SS828	146.9*	15.4	98.9	2.1	55.6
PIONEER BRAND 3335	145.2	14.4	99.9	4.9	59.3
ZIMMERMAN Z37	144.4	17.9	99.3	4.4	59.9
CAVERNDALE CF940	143.9	15.2	99.4	4.4	58.3
ZIMMERMAN 1851W	142.8	18.3	99.5	4.3	58.0
CAVERNDALE CF835	141.7	14.6	99.4	4.8	57.4
EXSEGEN ES617	141.7	17.4	99.7	3.1	59.3
FR27 X M017	141.5	15.7	99.8	2.5	56.4
NK BRAND N79-L3	140.7	16.3	99.5	3.7	61.8
ZIMMERMAN 1780W	138.2	17.5	99.3	3.9	57.3
CAVERNDALE CF885	137.2	14.9	99.0	4.4	58.5
ZIMMERMAN Z64W	136.5	17.7	99.1	4.4	57.8
ZIMMERMAN 1790W	133.9	16.5	99.9	4.8	58.1
MEDIUM AVERAGE	144.2	16.3	99.4	3.9	58.6
LSD (0.10)	5.2	0.5	0.9	1.4	0.6

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

+ Simpson County data not included.

Table 6L-1YR. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Six Locations+

BRAND/HYBRID	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 31G98	158.7*	15.4	100.0	6.6	57.8
PIONEER BRAND 31B13(Bt)	154.3*	17.2	100.0	4.0	57.3
AGRIGOLD A-6729Bt	153.7*	18.5	100.0	1.9	57.9
SO. STATES SS900Bt	150.2	17.1	98.6	3.2	55.6
NK BRAND N83-Z8	144.7	19.5	98.7	4.0	58.7
AGVENTURE AV977	143.7	18.1	98.0	7.1	57.7
CROW'S C702	142.2	18.6	99.9	4.2	55.6
GARST 8220	141.4	18.6	100.0	3.8	54.7
DEKALB DK697	140.5	18.5	100.0	4.4	57.2
GARST 8222IT	140.0	18.7	99.8	8.2	57.9
AGRIGOLD A-6620	137.0	16.9	98.6	4.5	56.1
PIONEER BRAND 31R88	136.2	19.1	96.8	8.5	57.1
SO. STATES SS859CL	135.0	17.6	96.6	7.3	54.1
AGRIGOLD A-6675	133.5	15.7	99.2	7.3	57.5
DEKALB DK687	129.8	17.0	99.7	7.9	56.5
CROPLAN GENETICS TR1226	129.1	18.9	99.8	7.6	57.1
DYNA-GRO DG15548	121.7	18.4	99.7	4.7	56.8
B73 X PA91	118.8	19.8	96.0	8.6	55.0
WILSON E7004	110.8	20.0	100.0	5.9	58.0
LATE AVERAGE	138.0	18.1	99.0	5.8	56.8
LSD (0.10)	7.0	0.8	1.5	2.3	0.8

Table 6L-2YR. Two-year Summary, 1999-2000, Late Hybrids (118 Days to Maturity or Later), Six Locations+

BRAND/HYBRID	YIELD BU/AC 99-00	% MOIST 99-00	% STAND 99-00	TOT % LODGED 99-00	TEST WT LBS/BU 99-00
PIONEER BRAND 31B13(Bt)	150.9*	16.5	100.0	2.6	58.9
GARST 8222IT	140.1	18.0	99.9	5.2	59.2
DEKALB DK697	135.6	17.2	99.5	3.4	58.4
GARST 8220	133.5	17.5	99.5	2.2	55.9
SO. STATES SS859CL	133.1	16.7	98.3	4.9	55.3
B73 X PA91	116.3	19.0	97.8	6.7	56.3
LATE AVERAGE	134.9	17.5	99.2	4.1	57.3
LSD (0.10)	5.8	0.5	1.0	1.7	0.6

Table 6L-3YR. Three-year Summary, 1998-2000, Late Hybrids (118 Days to Maturity or Later), Six Locations+

BRAND/HYBRID	YIELD BU/AC 98-00	% MOIST 98-00	% STAND 98-00	TOT % LODGED 98-00	TEST WT LBS/BU 98-00
PIONEER BRAND 31B13(Bt)	162.5*	16.1	99.9	4.1	59.5
GARST 8222IT	150.1	17.5	99.2	4.0	60.3
GARST 8220	143.5	17.2	98.7	2.1	56.2
B73 X PA91	127.5	17.9	98.1	6.1	57.1
LATE AVERAGE	145.9	17.2	99.0	4.1	58.3
LSD (0.10)	4.9	0.4	1.1	1.2	0.4

- * 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.
- + Simpson County data not included.

Table 7E. Annual Summary, 2000, Early Hybrids, Chemical Composition, All Locations

BRAND/HYBRID	PROTEIN	OIL	STARCH	BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....			% dry wt.....		
ADLER 3150	8.9	4.9	71.8	FR1064 X FR450	9.3	4.6	71.4
AGVENTURE AV1813	9.3	4.9	71.2	GARST 8366IT	8.9	4.3	72.4
AGVENTURE AV793RR	8.6	4.4	72.4	GATEWAY 9411Bt	8.5	4.5	72.8
AGRIGOLD A-6460	8.9	4.4	72.3	GOLDEN HARVEST H-2552	8.9	4.3	72.1
AGRIGOLD A-6469Bt	8.5	4.4	72.9	MYCOGEN 2717IMI(Bt)	8.9	4.5	72.0
AGRIGOLD A-6483RR	8.8	4.4	72.3	MYCOGEN 2767(Bt)	8.4	4.5	72.6
AGRIGOLD A-6545	8.2	4.2	73.3	NK BRAND N58-D1	8.5	3.9	73.2
ASGROW RX764	8.8	4.3	72.7	NK BRAND N63-G7	8.6	4.3	72.6
ASGROW RX799Bt	8.9	4.4	72.3	PFISTER 2550	8.3	4.3	73.2
BECK'S 5422	9.3	4.8	71.3	PIONEER BRAND 33G26	9.2	4.6	71.7
BECK'S 5912W	9.6	4.2	71.7	PIONEER BRAND 33Y18	8.9	4.1	72.9
BECK'S 6262	8.3	4.4	73.0	PIONEER BRAND 34B23	8.9	4.4	72.1
BECK'S 4022	8.5	4.1	73.2	SO. STATES SS670Bt	9.0	4.2	72.7
BECK'S 6205	8.6	4.4	72.7	SO. STATES SS710	9.7	4.2	71.7
LG SEEDS C7557	8.8	4.3	72.4	ZIMMERMAN N71-T7	9.3	4.6	71.8
CROPLAN GENETICS TR1087	8.8	4.6	71.9	ZIMMERMAN Z42	9.2	4.2	72.5
CROPLAN GENETICS TR1089RR	8.6	4.0	72.6				
CROPLAN GENETICS TR1097	8.4	4.3	72.9	EARLY AVERAGE	8.8	4.4	72.3
CROPLAN GENETICS TR1106	8.5	4.2	73.1				
CROPLAN GENETICS TR1129RR	8.6	4.3	72.7	EARLY AVERAGE BY LOCATION			
CROW'S C496Bt	8.5	4.5	72.6	PRINCETON	8.9	4.4	72.3
DEKALB DKC61-24	9.3	4.6	71.6	HENDERSON	8.6	4.6	72.2
DYNA-GRO 5505RR	8.9	4.5	72.2	MAYFIELD	9.5	4.3	71.4
EXSEGEN ES210W	10.0	4.2	71.2	LEXINGTON	8.4	4.5	72.9
EXSEGEN ES217	8.6	4.4	72.6	QUICKSAND	9.2	4.2	72.3
				GLENDALE	8.4	4.4	73.0

Table 7L. Annual Summary, 2000, Late Hybrids, Chemical Composition, All Locations

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
AGVENTURE AV977	9.0	4.9	71.5
AGRIGOLD A-6729Bt	8.9	5.0	71.2
AGRIGOLD A-6620	8.3	4.4	72.6
AGRIGOLD A-6675	9.2	4.4	72.0
B73 X PA91	9.3	4.5	71.4
CROPLAN GENETICS TR1226	9.0	4.5	72.3
CROW'S C702	9.1	4.1	72.0
DEKALB DK687	9.1	4.5	71.8
DEKALB DK697	9.4	4.6	71.2
DYNA-GRO DG15548	10.1	4.9	70.4
GARST 8220	8.5	5.0	71.8
GARST 8222IT	9.4	4.1	72.1
NK BRAND N83-Z8	9.1	5.2	70.7
PIONEER BRAND 31B13(Bt)	8.7	4.2	72.8
PIONEER BRAND 31G98	9.4	4.4	71.7
PIONEER BRAND 31R88	8.6	4.4	72.7
SO. STATES SS900Bt	8.5	5.0	71.7
SO. STATES SS859CL	9.0	4.1	72.2
WILSON E7004	10.9	5.6	68.2
*WILSON E7004(HP)	11.6	6.0	67.1
LATE AVERAGE	9.1	4.6	71.1
LATE AVERAGE BY LOCATION			
PRINCETON	9.5	4.6	70.7
HENDERSON	8.4	4.7	72.3
MAYFIELD	10.2	4.4	70.5
LEXINGTON	8.8	4.7	72.0
QUICKSAND	9.4	4.6	71.7
GLENDALE	8.4	4.8	72.4

* HAND POLLINATION OF NUTRIDENSE HYBRID. NOT INCLUDED IN AVERAGES.

Table 7M. Annual Summary, 2000, Medium Hybrids, Chemical Composition, All Locations

BRAND/HYBRID	PROTEIN	OIL	STARCH
% dry wt.....		
ADLER 5440	9.5	4.3	71.3
AGVENTURE AV864	8.9	4.3	72.5
AGRIGOLD A-6598CL	9.9	4.3	71.2
AGRIGOLD A-6609Bt	8.9	4.5	72.3
AGRIGOLD A-6540	8.4	4.1	73.1
AGRIGOLD A-6617	8.4	4.3	73.2
AGRIGOLD A-3907	8.2	4.5	72.8
ASGROW RX794RR	8.7	4.4	72.7
ASGROW RX843	8.8	4.5	72.4
BECK'S 8280	9.2	5.0	71.2
BIO GENE BG316	9.3	4.4	71.8
BIO GENE BG407	8.8	4.9	71.9
BIO GENE BG408	9.0	4.4	72.5
BIO GENE BG422	8.9	4.8	71.7
BIO GENE Bt4220	9.4	5.1	70.7
LG SEEDS C7640Bt	8.7	4.4	72.4
CAVERNDALE CF828Bt	9.0	4.3	72.0
CAVERNDALE CF832IMI	9.2	4.4	71.8
CAVERNDALE CF835	8.9	4.4	72.2
CAVERNDALE CF885	8.0	4.4	73.5
CAVERNDALE CF890	9.1	5.0	71.5
CAVERNDALE CF940	9.6	4.3	71.6
CROPLAN GENETICS TR1157	8.7	4.5	72.8
CROPLAN GENETICS TR1166Bt	9.0	4.6	71.9
CROPLAN GENETICS TR1167CL	8.7	4.5	72.2
CROPLAN GENETICS 818	8.8	4.6	72.3
CROW'S C5250	8.5	4.4	72.6
DEKALB DK647Bty	9.0	4.4	72.5
DEKALB DK658	9.3	4.1	72.2
DEKALB DKC65-25	8.8	4.3	72.9
EXSEGEN ES519	8.7	4.8	72.0
EXSEGEN ES617	9.5	4.4	71.7
FR27 X M017	9.0	4.4	72.1
GATEWAY 1157	8.7	5.1	71.6
GOLDEN HARVEST H-9229	9.2	4.9	71.1
GOLDEN HARVEST H-9345	9.0	5.0	71.5
GOLDEN HARVEST H-9471	9.8	4.5	71.1
LG SEEDS LG2696	8.0	4.5	73.0
LG SEEDS LG2606	7.9	4.3	73.6
LG SEEDS LG2637	8.8	4.5	72.6
LG SEEDS LG2651	9.0	4.8	71.9
LG SEEDS LG2726	9.5	4.9	71.0
MYCOGEN 2799IMI(Bt)	9.3	4.6	71.5
MYCOGEN 2833(Bt)	8.7	4.7	72.1
NK BRAND N73-Q3	9.0	4.2	72.2
NK BRAND N79-L3	8.9	4.4	72.4
PFISTER 3977	8.6	4.4	72.6
PIONEER BRAND 32K61	9.2	4.1	72.2
PIONEER BRAND 3335	9.1	3.9	72.7
PIONEER BRAND 33A14(Bt)	8.3	4.3	73.4
PIONEER BRAND 33G27(Bt)	9.0	4.7	71.8
PIONEER BRAND 33J56	9.2	3.9	72.5
PIONEER BRAND 33K62(Bt)	9.3	4.2	72.2
PIONEER BRAND 33T17(W)	8.9	4.5	72.4
SO. STATES SS691	8.9	4.4	72.4
SO. STATES SS729CL	8.9	4.7	72.0
SO. STATES SS769Bt	9.3	4.5	71.8
SO. STATES SS828	9.0	4.9	71.4
SO. STATES SS849CL	8.7	4.2	72.7
ZIMMERMAN 1780W	9.3	4.8	71.7
ZIMMERMAN 1790W	9.1	4.7	72.1
ZIMMERMAN 1851W	9.9	4.5	71.0
ZIMMERMAN Z37	8.9	4.9	71.6
ZIMMERMAN Z64W	9.0	4.7	72.2
MEDIUM AVERAGE	8.9	4.5	72.1
MEDIUM AVERAGE BY LOCATION			
PRINCETON	9.2	4.5	71.4
HENDERSON	8.5	4.6	72.6
MAYFIELD	9.4	4.3	71.7
LEXINGTON	8.7	4.6	72.4
QUICKSAND	9.4	4.4	71.9
GLENDALE	8.6	4.6	72.8

Table 8E. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Mayfield, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
AGRIGOLD A-6545			158.9*	11.8	100.0	12.6	56.0
ASGROW RX799Bt		135.3*	151.4*	15.3	98.5	4.1	55.8
GATEWAY 9411Bt			151.3*	12.2	100.0	6.6	56.4
PFISTER 2550			147.4*	11.7	100.0	11.6	58.0
BECK'S 6262			147.3*	10.8	100.0	4.5	55.4
CROW'S C496Bt			146.6*	11.7	99.5	4.6	54.9
AGRIGOLD A-6469Bt			146.5*	11.5	100.0	3.5	57.0
ASGROW RX764			142.5*	10.7	100.0	9.1	54.8
PIONEER BRAND 33Y18	153.3 *	138.8*	140.5*	10.7	100.0	12.6	59.0
BECK'S 5912W	144.5*	120.1	139.3*	13.3	100.0	12.1	56.3
CROPLAN GENETICS TR1129RR		103.3	138.7*	11.1	100.0	11.1	57.4
CROPLAN GENETICS TR1089RR			136.6	10.0	100.0	5.1	52.1
MYCOGEN 2767(Bt)			135.5	12.8	100.0	17.2	54.2
ZIMMERMAN Z42	134.4	120.3	135.0	14.8	100.0	10.6	53.6
ZIMMERMAN N71-T7		117.5	133.3	14.8	100.0	7.1	55.4
NK BRAND N58-D1		123.8*	132.5	10.2	100.0	4.0	57.5
BECK'S 5422			131.5	11.2	100.0	15.2	54.3
SO. STATES SS710		114.6	131.4	10.5	100.0	9.6	53.8
DYNA-GRO 5505RR		97.7	129.7	10.6	98.0	10.9	55.7
AGVENTURE AV1813			129.6	11.8	100.0	14.1	55.7
EXSEGEN ES210W			129.3	13.5	100.0	9.1	56.8
PIONEER BRAND 33G26	152.3*	123.8*	128.8	12.6	94.4	4.8	55.8
EXSEGEN ES217			128.7	10.8	100.0	12.1	53.5
AGVENTURE AV793RR			127.5	10.9	100.0	11.1	56.1
GARST 8366IT			127.4	10.6	100.0	5.6	55.6
BECK'S 4022			126.5	12.6	100.0	12.1	55.0
SO. STATES SS670Bt			126.3	12.3	100.0	4.0	53.5
PIONEER BRAND 34B23		123.9*	125.6	11.4	100.0	12.1	57.6
MYCOGEN 2717IMI(Bt)		132.0*	125.5	10.8	100.0	10.6	55.0
NK BRAND N63-G7	133.7	118.3	125.0	10.0	100.0	8.1	54.7
DEKALB DKC61-24			124.8	10.6	100.0	5.6	56.0
AGRIGOLD A-6460			124.6	10.7	100.0	12.6	54.1
CROPLAN GENETICS TR1087			123.3	10.9	100.0	10.6	55.5
CROPLAN GENETICS TR1106	117.9	95.5	121.5	10.9	100.0	10.1	54.2
AGRIGOLD A-6483RR			119.1	11.0	100.0	12.1	54.6
ADLER 3150			117.3	10.7	100.0	9.6	56.1
LG SEEDS C7557	134.6	105.1	117.1	11.4	100.0	15.2	54.0
GOLDEN HARVEST H-2552	127.2	107.9	114.3	10.0	100.0	12.6	53.2
FR1064 X FR450	129.8	114.3	113.5	11.6	100.0	6.6	55.5
CROPLAN GENETICS TR1097		118.3	109.7	12.0	100.0	9.6	55.1
BECK'S 6205	134.9	115.3	108.0	10.6	100.0	10.1	53.8
EARLY AVERAGE	136.3	117.1	131.0	11.5	99.8	9.5	55.3
LSD (0.10)	13.1	15.0	21.5	1.5	2.2	7.1	1.9
C.V.			12.1	9.4	1.7	54.6	2.5

Table 8L. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Mayfield, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 31B13(Bt)	156.3*	122.1*	137.9*	14.0	100.0	5.1	57.5
SO. STATES SS900Bt			116.4	12.7	99.0	3.1	53.3
NK BRAND N83-Z8			113.9	16.1	100.0	1.5	57.5
SO. STATES SS859CL		105.6	109.6	12.6	100.0	6.1	53.1
DEKALB DK697		87.1	109.0	12.2	100.0	4.5	56.8
AGVENTURE AV977			107.0	15.0	100.0	12.1	57.8
AGRIGOLD A-6729Bt			106.1	14.9	100.0	3.0	56.6
CROW'S C702			105.4	13.2	100.0	8.1	54.2
AGRIGOLD A-6675			102.3	11.2	100.0	11.1	58.3
PIONEER BRAND 31G98			100.9	10.7	100.0	9.6	57.7
AGRIGOLD A-6620			96.1	11.1	100.0	7.6	56.2
GARST 8222IT	120.3	89.6	94.4	18.3	100.0	12.6	57.4
DEKALB DK687			91.3	13.8	100.0	12.1	57.1
PIONEER BRAND 31R88			87.8	17.6	100.0	14.6	56.8
CROPLAN GENETICS TR1226			87.6	14.3	100.0	9.6	56.8
DYNA-GRO DG15548			86.2	14.0	100.0	6.6	58.3
GARST 8220	115.9	80.1	86.2	13.6	100.0	4.0	53.4
WILSON E7004			81.9	14.1	100.0	7.6	58.8
B73 X PA91	110.3	83.5	74.7	19.1	100.0	18.2	55.3
LATE AVERAGE	125.7	94.7	99.7	14.1	99.9	8.3	56.5
LSD (0.10)	9.1	10.5	11.5	1.6	0.5	4.6	1.2
C.V.			8.4	8.1	0.4	40.5	1.6

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

Table 8M. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Mayfield, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
CROPLAN GENETICS TR1166Bt			150.6*	15.7	100.0	5.1	57.7
SO. STATES SS729CL		113.8*	147.6*	11.8	100.0	4.5	57.8
GOLDEN HARVEST H-9229		112.0	140.3*	11.4	100.0	16.2	59.5
AGRIGOLD A-6609Bt			139.8*	16.4	100.0	5.1	57.6
PIONEER BRAND 33G27(Bt)		120.0*	139.0*	11.6	100.0	2.5	59.4
PIONEER BRAND 33A14(Bt)	138.2*	117.1*	138.4*	11.8	99.0	1.5	57.8
PIONEER BRAND 33K62(Bt)		108.8	136.9*	16.5	100.0	1.0	60.3
MYCOGEN 2833(Bt)			133.0	12.8	100.0	5.1	55.2
CROPLAN GENETICS TR1157	130.7	105.1	129.4	12.7	100.0	9.1	54.0
DEKALB DKC65-25			127.6	11.5	98.5	10.3	56.8
BIO GENE Bt4220			125.4	16.6	100.0	2.0	58.4
GATEWAY 1157	124.6	97.5	124.8	14.5	100.0	9.6	58.7
LG SEEDS LG2606			124.0	10.5	100.0	12.6	56.2
MYCOGEN 2799IMI(Bt)		124.0*	123.8	12.9	100.0	6.1	55.3
SO. STATES SS769Bt	144.7*	125.1*	123.6	15.4	100.0	3.5	57.8
PIONEER BRAND 33J56		109.7	123.4	10.6	100.0	16.2	58.4
DEKALB DK647BtY			121.7	12.3	100.0	2.0	57.3
CROPLAN GENETICS TR1167CL			121.7	14.6	100.0	4.5	55.5
PFISTER 3977	129.8	111.6	120.8	14.0	100.0	8.1	55.6
SO. STATES SS691			120.0	10.2	100.0	7.6	56.2
NK BRAND N79-L3	126.9	99.8	119.3	13.3	100.0	4.0	60.2
DEKALB DK658			118.3	11.8	100.0	6.6	55.6
BECK'S 8280	121.0	95.6	117.4	14.5	100.0	6.6	57.3
PIONEER BRAND 33T17(W)			117.3	12.3	100.0	10.1	59.4
SO. STATES SS828	130.1	107.6	115.9	12.0	100.0	3.0	53.2
ASGROW RX794RR			114.9	11.9	100.0	7.1	54.8
AGRIGOLD A-6617			114.5	12.8	100.0	6.6	59.8
BIO GENE BG316			114.5	13.5	100.0	9.6	55.8
AGVENTURE AV864			111.9	12.4	100.0	14.1	55.4
ASGROW RX843			111.3	11.3	100.0	15.2	57.7
LG SEEDS LG2726	129.4	107.3	111.2	13.0	100.0	6.6	56.8
BIO GENE BG422			111.2	13.5	91.4	5.7	58.1
AGRIGOLD A-6540			110.1	11.0	100.0	7.6	57.1
CAVERNDALE CF828Bt		111.2	110.0	10.9	100.0	17.2	56.9
ZIMMERMAN Z37	130.0	96.9	109.8	14.9	100.0	8.1	57.4
CAVERNDALE CF890		96.3	109.7	11.2	100.0	15.2	58.8
CROPLAN GENETICS 818			109.2	14.0	100.0	11.1	55.2
PIONEER BRAND 32K61	133.2*	102.5	109.1	13.3	100.0	6.6	59.8
EXSEGEN ES617	120.8	101.7	108.3	13.8	100.0	22.2	57.6
BIO GENE BG407			107.4	13.0	100.0	7.1	56.7
BIO GENE BG408			107.2	15.1	100.0	11.6	54.8
LG SEEDS C7640Bt		103.4	107.0	10.6	100.0	2.0	57.2
CAVERNDALE CF885	112.6	89.1	106.7	10.5	100.0	19.2	55.9
ADLER 5440			105.8	11.4	100.0	15.7	57.4
AGRIGOLD A-6598CL			105.7	10.2	100.0	6.6	57.1
CAVERNDALE CF940	116.7	82.8	105.5	10.6	100.0	16.7	58.0
LG SEEDS LG2696			103.5	12.7	99.0	8.2	55.1
ZIMMERMAN 1790W	112.3	90.3	103.0	14.9	100.0	7.1	55.7
ZIMMERMAN 1780W	111.2	89.6	102.5	14.8	100.0	8.1	54.9
AGRIGOLD A-3907			102.4	11.4	100.0	19.2	55.4
GOLDEN HARVEST H-9345		87.1	101.2	11.5	100.0	16.7	59.1
GOLDEN HARVEST H-9471			100.3	10.7	100.0	10.6	57.8
CAVERNDALE CF835	116.1	80.3	99.6	11.0	100.0	13.6	56.7
CAVERNDALE CF832IMI		106.5	99.3	10.5	100.0	12.6	56.4
FR27 X M017	119.2	102.0	97.3	12.8	98.5	8.7	53.2
CROW'S C5250			95.6	11.0	100.0	14.1	56.0
LG SEEDS LG2637			95.5	12.0	100.0	5.6	57.3
SO. STATES SS849CL		90.7	95.4	12.4	100.0	12.1	52.8
EXSEGEN ES519		84.3	94.6	12.2	100.0	6.1	55.9
NK BRAND N73-Q3			93.8	10.4	100.0	20.2	56.9
LG SEEDS LG2651			91.8	10.5	100.0	11.6	56.3
ZIMMERMAN Z64W	110.7	91.8	91.3	14.5	100.0	14.1	56.1
PIONEER BRAND 3335	129.1	92.8	89.3	10.4	100.0	16.2	57.7
ZIMMERMAN 1851W	126.5	98.9	89.1	17.0	100.0	15.2	56.8
MEDIUM AVERAGE	124.5	101.6	113.2	12.6	99.8	9.6	56.9
LSD (0.10)	11.5	12.5	17.4	1.6	1.6	6.8	1.3
C.V.			11.4	9.3	1.2	51.4	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 9E. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Princeton, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
CROW'S C496Bt			138.5*	15.2	94.9	12.7	56.3
GATEWAY 9411Bt			137.1*	16.0	100.0	7.1	56.7
AGRIGOLD A-6469Bt			136.4*	16.3	99.5	7.6	58.1
SO. STATES SS670Bt			132.3*	18.4	100.0	4.5	55.0
NK BRAND N58-D1		145.7*	130.1*	13.0	100.0	18.2	56.4
ASGROW RX799Bt		149.1*	128.9*	17.6	92.4	10.7	56.5
ZIMMERMAN N71-T7		140.3*	126.6*	17.8	100.0	11.1	57.3
EXSEGEN ES217			123.1*	14.6	98.0	25.9	55.3
MYCOGEN 27171MI(Bt)		149.4*	122.6*	13.9	97.5	15.3	55.0
AGRIGOLD A-6483RR			119.4	14.1	100.0	26.8	56.4
LG SEEDS C7557	144.1*	130.1	118.7	16.3	100.0	21.7	54.2
EXSEGEN ES210W			117.8	16.9	100.0	10.6	57.4
ADLER 3150			116.8	15.6	100.0	25.3	58.0
SO. STATES SS710		145.9*	116.7	13.4	100.0	13.6	54.6
AGVENTURE AV1813			114.5	13.8	100.0	17.2	56.1
BECK'S 6262			113.9	13.8	100.0	20.7	56.0
BECK'S 5422			113.5	14.7	100.0	27.3	55.0
PFISTER 2550			113.5	14.4	100.0	23.2	56.4
NK BRAND N63-G7	137.0*	133.0	112.3	12.9	90.4	22.8	55.5
MYCOGEN 2767(Bt)			111.5	16.1	100.0	29.8	56.1
ASGROW RX764			110.7	14.1	100.0	19.2	55.0
AGRIGOLD A-6545			110.5	15.0	100.0	24.7	54.6
DYNA-GRO 5505RR		133.7	109.7	15.0	100.0	25.3	54.6
AGRIGOLD A-6460			108.6	13.6	100.0	22.2	53.9
BECK'S 6205	145.0*	136.7*	106.0	17.2	89.4	25.1	54.8
CROPLAN GENETICS TR1089RR			103.3	13.4	100.0	26.8	53.1
PIONEER BRAND 34B23		123.0	101.2	14.4	93.4	24.3	58.1
DEKALB DKC61-24			99.0	14.0	97.5	16.3	56.0
CROPLAN GENETICS TR1129RR		122.8	98.3	14.1	100.0	28.8	57.3
CROPLAN GENETICS TR1106	135.6*	119.3	97.5	15.7	100.0	26.3	53.2
PIONEER BRAND 33G26	140.6*	124.2	96.7	14.1	100.0	12.6	57.6
BECK'S 4022			96.0	14.6	100.0	23.2	56.4
GARST 8366IT			95.4	14.3	99.0	27.0	54.0
FR1064 X FR450	124.3	121.2	95.1	13.9	100.0	19.7	55.0
AGVENTURE AV793RR			94.5	14.5	100.0	24.7	57.3
ZIMMERMAN Z42	134.7*	124.0	92.4	16.9	100.0	21.2	55.8
PIONEER BRAND 33Y18	142.6*	127.5	91.5	17.9	100.0	25.8	56.8
GOLDEN HARVEST H-2552	135.7*	128.5	91.4	13.4	100.0	26.3	53.5
CROPLAN GENETICS TR1087			89.5	13.6	100.0	27.8	54.9
CROPLAN GENETICS TR1097		118.6	86.8	14.5	99.0	31.7	56.6
BECK'S 5912W	136.4*	122.7	84.7	15.6	100.0	28.3	57.2
EARLY AVERAGE	137.6	131.3	109.8	15.0	98.8	21.0	55.8
LSD (0.10)	11.2	14.6	17.4	2.7	5.4	10.0	1.6
C.V.			11.7	13.1	4.0	35.3	2.1

Table 9L. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Princeton, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
NK BRAND N83-Z8			169.6*	19.7	100.0	10.1	60.5
AGRIGOLD A-6729Bt			169.1*	18.6	100.0	6.6	59.1
SO. STATES SS900Bt			163.0*	17.6	99.5	8.6	56.8
PIONEER BRAND 31B13(Bt)	174.7*	165.1*	157.3*	16.0	100.0	9.6	58.7
AGRIGOLD A-6620			151.9*	15.1	100.0	6.6	55.7
GARST 8222IT	146.4	150.9	146.8	16.2	100.0	14.6	58.5
CROW'S C702			143.2	17.8	100.0	8.6	54.9
SO. STATES SS859CL		151.3	138.8	16.2	100.0	14.6	53.4
AGVENTURE AV977			138.8	18.0	100.0	22.7	57.7
GARST 8220	147.5	144.2	138.8	15.7	100.0	6.6	54.1
DEKALB DK697		134.8	138.1	17.5	100.0	14.1	56.8
PIONEER BRAND 31G98			132.6	14.8	100.0	14.1	57.7
AGRIGOLD A-6675			123.6	17.6	100.0	16.7	57.8
PIONEER BRAND 31R88			122.9	18.9	100.0	24.7	57.2
B73 X PA91	127.3	119.0	117.4	16.2	100.0	19.2	54.3
DEKALB DK687			114.8	16.0	100.0	25.8	55.8
CROPLAN GENETICS TR1226			113.7	16.3	100.0	21.2	58.0
WILSON E7004			107.3	17.1	100.0	15.2	60.4
DYNA-GRO DG15548			105.2	16.7	100.0	11.1	57.0
LATE AVERAGE	148.8	153.2	149.2	14.8	99.5	1.4	60.6
LSD (0.10)	12.3	13.7	21.1	1.3	3.1	2.1	2.2
C.V.			10.2	6.5	2.2	111.6	2.6

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

Table 9M. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Princeton, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
DEKALB DK647BtY			157.6*	17.5	100.0	8.6	58.1
PIONEER BRAND 33G27(Bt)		144.7	153.2*	15.7	100.0	4.0	60.5
PIONEER BRAND 33K62(Bt)		160.4*	153.0*	15.6	99.0	9.2	62.2
MYCOGEN 2799IMI(Bt)		149.2*	150.1*	14.6	100.0	13.6	57.8
BIO GENE Bt4220			148.9*	18.1	96.0	8.1	57.8
PIONEER BRAND 33A14(Bt)	170.5*	158.0*	148.2*	13.8	100.0	24.2	59.3
BIO GENE BG422			147.6*	17.6	100.0	18.2	59.2
SO. STATES S5769Bt	151.5	146.6*	144.5*	16.3	94.9	12.9	59.9
CROPLAN GENETICS TR1166Bt			142.7*	16.7	100.0	26.8	60.3
CAVERNDALE CF828Bt		155.8*	142.5*	14.3	100.0	13.6	57.6
MYCOGEN 2833(Bt)			142.0*	16.5	100.0	13.6	57.0
AGRIGOLD A-6609Bt			138.8	16.8	100.0	13.6	60.4
LG SEEDS C7640Bt		142.7	137.1	15.1	100.0	8.1	57.8
BECK'S 8280	153.7	140.9	134.9	16.2	100.0	18.2	58.1
ZIMMERMAN Z37	155.6	145.5	132.5	17.3	100.0	17.7	58.4
GOLDEN HARVEST H-9471			131.8	14.2	100.0	13.6	57.0
SO. STATES S5828	153.0	151.0*	130.8	14.4	100.0	9.6	54.5
FR27 X M017	147.8	145.7*	128.7	15.1	100.0	11.1	54.2
NK BRAND N79-L3	153.5	145.6*	128.5	17.6	100.0	16.7	61.2
AGRIGOLD A-6540			128.5	14.0	100.0	15.2	57.2
PIONEER BRAND 33T17(W)			128.2	15.5	100.0	23.2	59.4
LG SEEDS LG2726	153.4	143.4	127.2	15.8	100.0	10.6	59.9
PIONEER BRAND 33J56		136.9	126.8	13.4	100.0	16.7	58.6
CAVERNDALE CF940	143.0	137.9	126.7	15.0	100.0	13.6	59.3
ASGROW RX794RR			125.7	14.5	100.0	6.6	57.0
DEKALB DKC65-25			125.1	16.0	92.4	22.1	56.6
AGVENTURE AV864			124.9	15.1	100.0	17.2	56.6
SO. STATES S5691			123.4	13.3	100.0	13.1	56.9
SO. STATES S5849CL		138.2	123.3	15.2	100.0	12.1	55.3
CAVERNDALE CF835	137.3	132.0	122.7	14.9	100.0	22.7	57.1
EXSEGEN E5617	135.5	131.4	122.7	16.6	100.0	11.1	58.8
CAVERNDALE CF890		131.8	122.7	12.9	100.0	13.6	59.6
ZIMMERMAN 1790W	133.0	132.2	122.4	17.9	100.0	30.8	56.4
GATEWAY 1157	147.5	136.2	120.3	18.3	100.0	13.6	58.6
PFISTER 3977	151.0	143.2	119.9	15.7	100.0	16.7	57.3
PIONEER BRAND 3335	143.0	135.6	119.7	12.8	100.0	7.6	56.9
LG SEEDS LG2651			119.6	15.8	100.0	21.7	55.9
ZIMMERMAN 1780W	138.6	129.7	118.1	19.0	100.0	21.2	55.4
SO. STATES S5729CL		135.9	117.8	13.8	100.0	13.6	58.6
GOLDEN HARVEST H-9229		127.3	117.1	14.5	100.0	30.3	59.7
CROPLAN GENETICS 818			116.0	17.0	100.0	17.2	56.4
LG SEEDS LG2637			116.0	16.3	100.0	27.3	56.6
LG SEEDS LG2696			115.9	15.8	100.0	19.7	56.5
BIO GENE BG316			115.6	16.7	100.0	20.7	56.0
PIONEER BRAND 32K61	144.8	140.2	115.0	15.8	100.0	8.1	61.2
ADLER 5440			113.5	14.7	100.0	16.7	59.5
EXSEGEN E5519		136.4	113.2	16.7	97.0	16.8	56.5
ZIMMERMAN 1851W	144.1	128.8	112.9	18.9	100.0	15.7	57.2
CROPLAN GENETICS TR1167CL			111.6	15.4	100.0	17.7	56.9
LG SEEDS LG2606			111.1	13.5	100.0	26.3	55.8
ZIMMERMAN Z64W	137.4	129.2	110.7	15.8	100.0	17.2	58.0
AGRIGOLD A-6598CL			110.5	14.4	100.0	14.1	56.7
BIO GENE BG407			110.5	15.4	100.0	15.7	58.2
CROPLAN GENETICS TR1157	148.1	136.5	109.7	17.3	99.0	10.7	54.5
DEKALB DK658			109.5	13.5	100.0	14.1	58.5
CAVERNDALE CF832IMI		122.3	109.4	14.4	100.0	20.7	57.8
AGRIGOLD A-3907			109.2	14.8	100.0	22.2	55.5
CAVERNDALE CF885	126.7	120.1	109.0	13.5	100.0	29.3	56.7
BIO GENE BG408			108.7	15.1	100.0	10.1	56.5
AGRIGOLD A-6617			106.9	16.4	98.0	22.1	59.2
CROW'S C5250			105.3	14.9	100.0	17.2	57.0
GOLDEN HARVEST H-9345		128.3	105.2	13.7	100.0	18.7	59.0
ASGROW RX843			100.8	15.0	100.0	26.3	58.9
NK BRAND N73-Q3			95.8	13.3	100.0	35.4	58.0
MEDIUM AVERAGE	146.1	138.8	123.7	15.5	99.6	16.8	57.8
LSD (0.10)	11.4	14.8	17.1	2.2	3.1	9.4	1.7
C.V.			10.2	10.6	2.3	41.3	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 10E. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Henderson, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
AGVENTURE AV1813			183.7*	13.7	100.0	5.6	59.0
AGRIGOLD A-6545			182.2*	13.5	94.9	11.1	57.5
SO. STATES SS670Bt			182.1*	13.6	98.0	4.6	58.8
LG SEEDS C7557	177.1*	175.5	180.0*	12.6	100.0	3.0	57.1
CROW'S C496Bt			179.7*	13.4	100.0	0.0	58.2
PIONEER BRAND 33G26	181.5*	182.4*	176.5*	13.4	93.4	4.7	59.7
MYCOGEN 2767(Bt)			176.1*	11.8	100.0	3.5	57.6
PFISTER 2550			175.4*	13.2	100.0	6.6	58.6
ASGROW RX799Bt		185.4*	175.3*	15.9	100.0	4.0	60.1
DEKALB DKC61-24			175.3*	12.3	100.0	2.0	57.6
BECK'S 4022			175.0*	13.6	100.0	2.5	57.1
NK BRAND N63-G7	189.2*	192.6*	174.9*	11.0	100.0	2.5	57.3
ADLER 3150			174.5*	13.7	96.0	6.2	59.2
DYNA-GRO 5505RR		165.4	173.4*	12.3	100.0	5.6	57.9
PIONEER BRAND 34B23		165.5	172.6*	11.6	100.0	4.0	59.3
BECK'S 6205	187.4*	183.0*	172.1*	14.2	100.0	2.0	57.8
PIONEER BRAND 33Y18	172.9	170.9	171.9*	12.5	100.0	3.5	60.0
GOLDEN HARVEST H-2552	182.3*	178.6*	171.5*	13.2	98.5	0.5	55.6
GARST 8366IT			170.0*	13.8	97.0	1.1	57.1
AGRIGOLD A-6460			168.9*	13.2	100.0	2.5	56.4
AGRIGOLD A-6469Bt			168.2	15.9	99.0	1.5	56.4
BECK'S 5422			168.1	13.3	100.0	7.1	56.9
CROPLAN GENETICS TR1129RR		158.2	168.0	12.1	100.0	6.6	56.5
SO. STATES SS710		179.0*	167.9	12.0	100.0	2.0	58.0
ASGROW RX764			167.7	12.6	98.5	1.0	59.4
EXSEGEN ES217			167.0	12.9	96.0	1.6	56.5
ZIMMERMAN Z42	179.2*	182.9*	166.9	13.5	100.0	3.0	58.8
NK BRAND N58-D1		176.7	166.0	10.5	98.5	5.7	58.4
GATEWAY 9411Bt			164.5	13.4	100.0	3.0	58.5
CROPLAN GENETICS TR1097		169.0	162.9	12.5	88.9	3.8	58.5
CROPLAN GENETICS TR1089RR			162.2	11.4	92.4	0.6	55.9
FR1064 X FR450	154.3	157.8	162.0	12.4	98.5	4.6	59.7
CROPLAN GENETICS TR1106	168.7	161.5	161.9	13.8	97.0	3.6	56.8
AGVENTURE AV793RR			161.6	12.8	100.0	7.6	58.0
AGRIGOLD A-6483RR			161.5	12.3	100.0	4.0	56.5
CROPLAN GENETICS TR1087			160.6	10.9	100.0	2.5	56.6
MYCOGEN 27171MI(Bt)		162.3	159.6	13.2	100.0	0.5	58.0
BECK'S 6262			158.0	12.0	98.5	4.1	58.2
EXSEGEN ES210W			150.8	15.5	97.0	5.3	60.6
BECK'S 5912W	161.1	162.5	150.7	15.6	100.0	11.1	59.7
ZIMMERMAN N71-T7		172.5	146.1	15.7	100.0	2.0	58.3
EARLY AVERAGE	175.4	172.7	168.6	13.1	98.6	3.8	58.0
LSD (0.10)	12.5	14.1	15.3	1.7	4.3	4.1	2.0
C.V.			6.7	9.7	3.2	78.6	2.6

Table 10L. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Henderson, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 31G98			189.4*	14.5	100.0	7.6	59.0
SO. STATES SS900Bt			176.5*	16.9	100.0	2.0	56.3
PIONEER BRAND 31R88			174.7*	19.1	98.5	4.1	59.2
DEKALB DK697		181.8*	174.3*	19.1	100.0	4.0	59.4
CROW'S C702			173.6*	19.5	100.0	1.5	58.4
GARST 8222IT	175.8*	180.6*	172.2*	18.4	100.0	10.1	59.0
GARST 8220	170.4*	174.4*	170.1	20.5	100.0	3.0	56.4
AGRIGOLD A-6620			167.8	16.4	100.0	5.6	57.7
PIONEER BRAND 31B13(Bt)	168.2*	179.3*	167.4	16.3	100.0	3.0	58.7
AGVENTURE AV977			166.3	17.7	98.5	3.6	57.6
SO. STATES SS859CL		171.5*	164.6	18.1	100.0	10.1	56.0
AGRIGOLD A-6729Bt			163.9	17.4	100.0	0.5	58.6
AGRIGOLD A-6675			162.0	14.6	97.0	6.2	59.1
DYNA-GRO DG15548			156.8	19.7	98.0	5.8	58.4
DEKALB DK687			156.2	16.2	100.0	3.0	57.0
NK BRAND N83-Z8			154.9	18.8	100.0	10.6	59.3
B73 X PA91	141.8	152.9	154.1	21.9	100.0	6.1	56.6
CROPLAN GENETICS TR1226			143.9	18.7	100.0	6.6	58.0
WILSON E7004			133.6	22.1	100.0	6.6	59.2
LATE AVERAGE	164.0	173.4	164.3	18.2	99.6	5.2	58.1
LSD (0.10)	15.8	17.4	18.4	1.8	2.3	6.1	2.1
C.V.			8.1	7.2	1.7	84.6	2.6

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

Table 10M. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Henderson, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 33J56		182.2*	189.4*	13.1	100.0	2.0	58.7
PIONEER BRAND 33G27(Bt)		177.9*	186.4*	17.2	100.0	0.0	59.2
PIONEER BRAND 33T17(W)			184.9*	14.2	100.0	3.0	60.2
DEKALB DK658			183.4*	13.5	100.0	2.0	57.6
LG SEEDS LG2696			182.3*	17.2	100.0	1.5	56.4
DEKALB DK647BtY			181.5*	14.2	100.0	1.0	58.2
EXSEGEN ES617	175.0*	182.4*	180.9*	19.2	100.0	0.0	58.2
AGRIGOLD A-6609Bt			178.4*	15.1	100.0	2.5	58.4
CAVERNDALE CF832IMI		176.6*	178.4*	13.5	100.0	0.5	57.2
AGRIGOLD A-3907			177.6*	14.9	100.0	3.5	54.7
NK BRAND N73-Q3			177.4*	15.0	100.0	3.0	58.2
DEKALB DKC65-25			177.3*	14.3	99.0	1.0	56.8
PFIESTER 3977	163.0*	165.8*	177.2*	17.5	100.0	1.5	57.5
MYCOGEN 2833(Bt)			177.1*	14.7	100.0	1.0	56.6
LG SEEDS C7640Bt		172.9*	176.2*	14.5	100.0	2.5	57.1
CROPLAN GENETICS 818			175.7*	16.6	98.0	3.1	57.2
CAVERNDALE CF885	152.7	168.6*	175.5*	15.1	100.0	3.0	56.2
MYCOGEN 2799IMI(Bt)		169.0*	175.2*	12.3	100.0	4.5	56.7
PIONEER BRAND 33A14(Bt)	156.2	172.5*	174.9*	15.7	100.0	2.0	57.5
ADLER 5440			174.9*	16.0	97.0	5.7	59.1
PIONEER BRAND 33K62(Bt)		169.5*	174.7*	17.1	100.0	1.0	60.2
BIO GENE BG316			174.7*	16.3	100.0	2.0	57.1
SO. STATES SS828	175.5*	183.8*	174.2*	17.3	100.0	2.5	54.7
ASGROW RX843			172.6*	16.3	100.0	3.0	57.4
GOLDEN HARVEST H-9471			172.4*	15.7	100.0	1.5	57.9
AGRIGOLD A-6617			172.0	15.1	100.0	2.0	59.1
AGRIGOLD A-6598CL			171.0	14.4	100.0	1.5	58.6
CROPLAN GENETICS TR1166Bt			170.6	16.1	100.0	2.0	58.5
CAVERNDALE CF828Bt		150.8	169.5	12.9	100.0	2.0	56.9
SO. STATES SS769Bt	166.6*	183.7*	168.9	15.9	100.0	1.5	57.1
CAVERNDALE CF835	151.6	160.0	168.9	14.8	95.5	1.5	56.3
NK BRAND N79-L3	165.3*	174.1*	168.8	16.1	100.0	5.6	58.9
EXSEGEN ES519		167.8*	168.6	14.9	100.0	7.1	56.1
BIO GENE BG407			168.4	15.7	100.0	7.6	57.9
BIO GENE Bt4220			168.1	17.5	91.4	0.0	58.5
PIONEER BRAND 3335	150.0	172.9*	168.1	13.6	100.0	6.1	57.8
GATEWAY 1157	169.3*	167.7*	167.9	18.0	100.0	3.5	57.9
PIONEER BRAND 32K61	166.2*	171.1*	167.9	14.6	100.0	2.0	61.2
GOLDEN HARVEST H-9229		142.9	167.6	14.1	100.0	4.0	59.0
AGRIGOLD A-6540			167.5	14.1	98.5	3.6	56.3
CROW'S C5250			167.3	15.1	100.0	1.5	55.9
CAVERNDALE CF940	158.4	170.7*	167.2	15.9	100.0	2.5	58.1
SO. STATES SS729CL		156.7	167.0	14.1	100.0	5.6	58.5
CAVERNDALE CF890		148.1	166.8	17.0	98.0	3.6	57.7
ZIMMERMAN 1851W	156.4	167.9*	165.8	18.8	100.0	3.5	56.8
ZIMMERMAN 237	146.3	154.7	165.6	18.1	100.0	3.0	58.9
LG SEEDS LG2606			165.3	13.6	100.0	4.5	55.6
ASGROW RX794RR			165.1	15.3	100.0	1.5	56.3
CROPLAN GENETICS TR1167CL			164.5	16.0	100.0	2.0	55.8
BECK'S 8280	164.8*	174.2*	164.3	20.6	100.0	4.0	58.8
CROPLAN GENETICS TR1157	169.0*	171.3*	161.8	15.8	96.5	2.1	56.1
BIO GENE BG422			161.3	18.1	90.4	0.0	57.6
GOLDEN HARVEST H-9345		142.2	161.1	13.1	100.0	2.5	58.7
SO. STATES SS691			160.9	13.2	100.0	2.5	56.9
AGVENTURE AV864			160.9	14.5	100.0	2.5	57.0
ZIMMERMAN 1780W	154.1	154.8	160.7	20.1	100.0	1.5	56.3
BIO GENE BG408			160.6	21.4	96.5	1.6	55.5
SO. STATES SS849CL		169.4*	160.1	17.4	98.5	2.0	54.4
LG SEEDS LG2726	161.6*	164.1	159.9	17.5	98.0	3.6	58.4
FR27 X M017	166.0*	171.3*	157.8	17.1	100.0	2.0	54.4
LG SEEDS LG2651			157.4	14.9	100.0	1.5	56.8
LG SEEDS LG2637			156.5	16.7	100.0	2.0	55.9
ZIMMERMAN 264W	148.1	159.1	156.1	18.1	100.0	5.6	55.8
ZIMMERMAN 1790W	147.2	147.8	147.3	19.2	100.0	6.6	56.8
MEDIUM AVERAGE	160.2	166.6	169.8	15.9	99.3	2.7	57.4
LSD (0.10)	16.4	18.5	17.2	2.6	3.5	3.8	1.6
C.V.			7.5	12.2	2.6	104.0	2.1

* 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.

NOTE: There is no Table 11 in this report. See "Notes, Franklin (Simpson County)," page 3.

Table 12E. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Glendale, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
MYCOGEN 2767(Bt)			193.9*	22.6	100.0	0.0	56.4
PFISTER 2550			188.5*	21.7	100.0	2.0	59.6
CROW'S C496Bt			185.9*	20.3	100.0	0.0	55.9
NK BRAND N58-D1		146.3*	185.9*	16.3	100.0	1.5	57.0
BECK'S 5422			185.5*	22.2	100.0	0.5	54.4
PIONEER BRAND 33G26	159.5*	143.6*	182.2*	23.0	100.0	1.0	58.5
NK BRAND N63-G7	157.9*	136.9*	181.9*	17.8	100.0	0.5	57.4
DYNA-GRO 5505RR		139.0*	181.2*	19.1	100.0	2.0	56.6
PIONEER BRAND 34B23		142.6*	180.2*	20.2	100.0	1.0	58.4
ZIMMERMAN N71-T7		133.2*	179.8*	22.3	100.0	0.0	55.8
SO. STATES SS670Bt			179.6*	22.7	100.0	1.5	57.4
DEKALB DKC61-24			177.8*	19.8	100.0	1.0	57.6
BECK'S 6205	143.5	126.9	176.9*	22.6	100.0	2.0	55.7
AGRIGOLD A-6469Bt			176.0*	22.7	100.0	0.5	55.8
BECK'S 4022			174.8*	21.5	100.0	1.5	56.8
GOLDEN HARVEST H-2552	149.1*	133.6*	174.5*	21.6	100.0	1.0	53.9
GATEWAY 9411Bt			174.1*	22.4	100.0	0.5	57.5
AGRIGOLD A-6460			173.5	20.8	100.0	0.5	54.3
PIONEER BRAND 33Y18	156.4*	141.9*	172.6	20.8	98.0	1.6	57.8
EXSEGEN ES217			172.0	25.6	97.5	1.6	56.1
ZIMMERMAN Z42	146.1	130.0	171.3	22.1	100.0	0.0	57.0
ASGROW RX764			170.2	19.9	100.0	0.5	56.3
MYCOGEN 2717IMI(Bt)		131.2	168.6	17.6	98.0	0.0	54.8
CROPLAN GENETICS TR1106	152.0*	135.4*	168.3	22.8	98.0	1.5	56.8
AGVENTURE AV793RR			168.1	21.6	100.0	2.5	55.8
AGRIGOLD A-6545			167.7	21.9	97.5	0.5	56.4
AGRIGOLD A-6483RR			167.3	19.5	100.0	2.0	55.4
BECK'S 6262			167.3	20.5	100.0	3.0	56.5
ASGROW RX799Bt		132.1	166.2	24.3	100.0	0.5	57.6
CROPLAN GENETICS TR1089RR			165.6	18.6	100.0	0.5	54.6
BECK'S 5912W	148.7*	129.1	165.6	21.0	100.0	2.5	59.6
AGVENTURE AV1813			164.4	21.8	100.0	1.0	57.3
CROPLAN GENETICS TR1087			161.6	20.2	100.0	0.0	55.0
CROPLAN GENETICS TR1129RR		131.8	161.0	19.8	100.0	0.0	57.8
LG SEEDS C7557	156.0*	133.5*	160.9	21.7	100.0	0.0	55.0
EXSEGEN ES210W			159.2	22.4	100.0	1.0	58.4
GARST 8366IT			157.8	21.8	100.0	0.5	62.7
ADLER 3150			157.2	22.5	100.0	4.0	56.1
SO. STATES SS710		127.9	155.7	20.1	100.0	1.0	55.4
FR1064 X FR450	136.4	126.3	155.2	17.6	94.9	1.0	55.8
CROPLAN GENETICS TR1097		131.8	151.9	20.4	96.5	0.0	57.8
EARLY AVERAGE	150.5	134.4	171.4	21.1	99.5	1.0	56.7
LSD (0.10)	12.4	13.6	20.1	2.0	2.1	1.7	3.5
C.V.			8.6	7.1	1.6	124.1	4.5

Table 12L. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Glendale, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
SO. STATES SS900Bt			169.2*	24.6	92.9	1.1	56.8
AGRIGOLD A-6729Bt			169.1*	25.6	100.0	0.0	58.0
PIONEER BRAND 31G98			169.0*	21.8	100.0	4.0	57.7
PIONEER BRAND 31B13(Bt)	143.6*	133.4*	164.1*	22.5	100.0	0.0	56.3
AGVENTURE AV977			162.2*	25.7	96.5	1.5	58.5
NK BRAND N83-Z8			155.9*	25.7	99.5	0.5	58.4
AGRIGOLD A-6620			154.9*	25.5	100.0	2.5	56.4
GARST 8220	137.4*	123.9*	154.5*	25.5	100.0	4.5	56.2
PIONEER BRAND 31R88			152.1*	24.3	83.3	1.8	56.8
GARST 8222IT	131.4	124.8*	145.0	24.1	99.0	2.6	57.2
SO. STATES SS859CL		123.2*	142.7	25.5	82.8	3.0	55.0
AGRIGOLD A-6675			140.1	21.1	98.5	1.5	55.0
CROW'S C702			137.5	25.8	100.0	3.5	55.7
DYNA-GRO DG15548			136.0	23.8	100.0	1.5	54.4
CROPLAN GENETICS TR1226			135.7	26.5	100.0	2.5	55.9
DEKALB DK687			135.5	24.3	98.5	2.5	55.8
DEKALB DK697		106.8	131.0	27.9	100.0	0.5	57.0
B73 X PA91	110.4	99.9	124.6	25.1	76.3	2.6	53.4
WILSON E7004			109.2	26.0	100.0	2.5	57.2
LATE AVERAGE	130.7	118.6	146.7	24.8	96.2	2.0	56.4
LSD (0.10)	10.4	12.0	19.3	2.0	7.6	3.0	3.0
C.V.			9.5	5.8	5.8	105.3	3.9

* 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.

Table 12M. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Glendale, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
AGRIGOLD A-3907			187.2*	23.4	100.0	4.0	57.0
PIONEER BRAND 3335	146.9	134.8*	184.8*	21.6	100.0	1.0	58.2
PFISTER 3977	147.5	141.5*	184.5*	23.8	100.0	1.5	58.9
PIONEER BRAND 33A14(Bt)	153.7*	140.8*	184.1*	19.7	100.0	0.0	57.7
DEKALB DK647BtY			182.8*	23.1	97.0	0.5	58.9
SO. STATES SS769Bt	133.8	136.4*	181.1*	21.2	98.5	0.5	60.0
DEKALB DK658			180.7*	19.7	100.0	2.0	58.8
SO. STATES SS849CL		135.8*	180.7*	25.2	99.5	3.5	58.7
EXSEGEN ES519		138.9*	178.2*	24.5	100.0	3.0	59.0
GOLDEN HARVEST H-9471			177.6*	20.8	100.0	1.0	60.2
BIO GENE BG316			177.5*	23.1	100.0	0.0	59.4
LG SEEDS C7640Bt		136.6*	177.5*	20.1	94.4	0.0	55.3
SO. STATES SS729CL		138.3*	175.7*	21.2	100.0	1.5	58.9
BECK'S 8280	159.8*	134.5*	175.7*	25.2	100.0	3.5	61.0
GATEWAY 1157	146.0	130.0	174.7*	25.3	100.0	3.0	60.5
ADLER 5440			174.1*	21.3	100.0	1.5	59.6
ASGROW RX843			173.7*	23.4	100.0	1.0	57.9
LG SEEDS LG2696			172.7*	24.5	100.0	0.5	58.3
ZIMMERMAN Z37	145.6	135.6*	170.5	26.0	99.0	2.0	63.0
LG SEEDS LG2606			170.4	22.1	100.0	1.5	53.6
PIONEER BRAND 33G27(Bt)		139.6*	169.4	22.3	93.9	0.5	59.4
CROPLAN GENETICS 818			168.8	22.2	100.0	0.5	56.2
AGRIGOLD A-6617			168.3	23.7	100.0	1.0	58.4
ASGROW RX794RR			167.8	22.2	100.0	0.5	54.7
NK BRAND N73-Q3			166.9	20.3	100.0	1.5	54.8
CAVERNDALE CF940	144.1	135.8*	166.7	22.3	100.0	2.0	58.6
AGRIGOLD A-6609Bt			166.2	23.0	100.0	0.0	58.7
MYCOGEN 2833(Bt)			166.0	22.0	100.0	0.0	56.7
CROPLAN GENETICS TR1166Bt			165.5	22.2	100.0	0.0	58.2
LG SEEDS LG2726	142.9	133.3*	164.6	25.6	97.0	1.1	62.3
AGVENTURE AV864			164.0	20.1	100.0	0.0	56.3
PIONEER BRAND 33J56		143.3*	163.8	20.3	89.9	0.7	57.3
CAVERNDALE CF835	151.6*	131.3*	162.6	23.0	100.0	0.0	55.7
PIONEER BRAND 33T17(W)			162.6	20.3	94.9	0.5	59.2
ZIMMERMAN 1780W	132.7	124.7	161.7	24.1	100.0	0.0	55.5
CROPLAN GENETICS TR1157	152.8*	137.6*	161.6	22.3	98.0	1.0	57.8
BIO GENE BG408			161.0	23.9	96.5	3.2	59.7
EXSEGEN ES617	137.7	119.4	159.1	23.9	100.0	1.0	60.4
DEKALB DKC65-25			158.9	24.5	100.0	2.0	56.9
BIO GENE BG407			158.9	25.0	100.0	2.5	60.3
BIO GENE Bt4220			158.8	25.8	97.0	0.0	59.5
AGRIGOLD A-6540			158.1	20.6	100.0	1.0	55.8
CAVERNDALE CF890		129.8	157.7	21.0	100.0	0.5	58.5
NK BRAND N79-L3	137.2	129.7	157.6	23.9	97.0	0.0	58.6
CROPLAN GENETICS TR1167CL			157.2	23.5	99.0	0.5	57.5
CROW'S C5250			156.6	22.4	99.0	1.0	55.1
LG SEEDS LG2637			156.0	22.8	100.0	0.5	57.8
GOLDEN HARVEST H-9345		125.0	155.7	20.2	94.9	1.6	58.9
CAVERNDALE CF885	139.0	125.7	154.8	20.8	97.0	1.1	57.1
SO. STATES SS828	147.0	130.6*	154.5	23.1	97.0	2.1	54.5
BIO GENE BG422			154.0	24.8	89.4	2.4	59.6
CAVERNDALE CF828Bt		123.2	152.8	18.3	100.0	0.0	54.9
CAVERNDALE CF832IMI		123.7	152.0	22.0	100.0	0.5	56.8
PIONEER BRAND 33K62(Bt)		129.6	151.9	21.8	89.4	0.0	58.9
ZIMMERMAN 1780W	132.7	124.7	161.7	24.1	100.0	0.0	55.5
GOLDEN HARVEST H-9229		120.3	151.7	21.4	92.4	1.8	56.8
AGRIGOLD A-6598CL			149.6	21.5	96.0	0.6	57.1
MYCOGEN 2799IMI(Bt)		117.8	149.5	20.3	100.0	0.5	57.3
ZIMMERMAN 1851W	133.1	119.2	148.0	24.8	100.0	1.5	57.9
SO. STATES SS691			144.8	20.2	100.0	0.5	55.4
PIONEER BRAND 32K61	143.6	125.0	144.7	21.0	99.0	2.1	58.5
LG SEEDS LG2651			141.6	23.1	99.0	1.0	57.1
FR27 X M017	137.7	117.5	141.0	22.5	100.0	3.5	54.1
ZIMMERMAN 1790W	127.0	111.2	140.4	23.7	100.0	1.5	57.1
MEDIUM AVERAGE	142.6	129.9	163.8	22.5	98.5	1.2	57.9
LSD (0.10)	11.8	12.8	14.5	1.7	6.1	2.1	2.2
C.V.			6.5	5.6	4.5	129.4	2.8

* 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 13E. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Lexington, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
ASGROW RX799Bt		137.6*	184.9*	21.1	100.0	0.0	57.6
ADLER 3150			183.7*	18.7	100.0	1.0	57.5
PFISTER 2550			181.1*	18.0	100.0	1.5	56.6
SO. STATES SS670Bt			178.8*	19.7	100.0	0.0	57.6
PIONEER BRAND 33Y18	166.3*	147.4*	177.7*	18.2	100.0	1.0	60.3
SO. STATES SS710		136.6*	175.6*	17.5	100.0	0.0	56.1
BECK'S 5912W	148.8	123.8	173.3*	20.2	100.0	0.0	57.5
EXSEGEN ES217			172.9*	19.3	100.0	1.0	54.6
AGRIGOLD A-6545			171.9*	19.2	100.0	0.5	55.1
BECK'S 5422			170.1*	18.5	100.0	0.5	56.4
BECK'S 4022			169.8*	18.8	96.0	0.0	55.8
ZIMMERMAN Z42	159.8*	138.3*	169.8*	20.6	100.0	0.0	56.8
PIONEER BRAND 33G26	170.7*	148.1*	169.2*	19.4	100.0	0.0	59.8
AGVENTURE AV793RR			168.3*	18.3	100.0	1.5	55.4
CROW'S C496Bt			165.6*	18.8	100.0	0.0	55.1
GARST 8366IT			165.2*	18.8	100.0	0.5	55.6
MYCOGEN 2717IMI(Bt)		147.4*	164.9*	14.6	100.0	0.0	54.9
GATEWAY 9411Bt			164.6*	21.7	100.0	0.0	54.8
EXSEGEN ES210W			162.8	20.4	100.0	0.0	57.4
LG SEEDS C7557	148.2	129.1	161.9	18.4	100.0	0.0	56.5
CROPLAN GENETICS TR1097		136.6*	160.8	20.4	100.0	0.5	54.2
PIONEER BRAND 34B23		139.9*	160.4	17.5	100.0	0.5	58.3
DEKALB DKC61-24			159.2	19.3	100.0	0.0	56.4
BECK'S 6205	157.8	128.9	159.1	19.4	100.0	0.0	54.3
NK BRAND N63-G7	158.9	129.8	159.0	14.8	100.0	0.0	57.4
AGRIGOLD A-6460			157.9	18.8	100.0	1.0	56.7
ZIMMERMAN N71-T7		127.0	157.8	21.9	100.0	0.0	56.0
AGRIGOLD A-6469Bt			157.3	21.9	100.0	0.0	56.6
MYCOGEN 2767(Bt)			157.0	21.6	100.0	0.0	54.6
AGVENTURE AV1813			156.0	18.3	100.0	0.0	57.9
CROPLAN GENETICS TR1129RR		125.2	156.0	17.7	100.0	0.5	56.8
DYNA-GRO 5505RR		128.1	154.8	17.5	100.0	0.0	56.4
GOLDEN HARVEST H-2552	149.4	119.0	154.4	17.9	100.0	0.5	56.2
ASGROW RX764			154.0	18.6	100.0	1.5	56.9
CROPLAN GENETICS TR1089RR			152.1	16.7	100.0	0.0	53.0
CROPLAN GENETICS TR1106	152.8	121.9	151.9	19.5	100.0	0.5	55.5
NK BRAND N58-D1		139.3*	149.7	14.2	100.0	0.5	56.8
AGRIGOLD A-6483RR			147.9	17.9	100.0	0.5	55.1
CROPLAN GENETICS TR1087			146.9	17.1	100.0	1.5	54.9
BECK'S 6262			145.7	17.2	100.0	1.0	56.4
FR1064 X FR450	133.8	122.2	144.0	19.0	100.0	0.5	56.1
EARLY AVERAGE	154.6	133.0	162.8	18.7	99.9	0.4	58.3
LSD (0.10)	11.5	14.0	21.4	1.3	1.5	1.0	2.1
C.V.			9.7	5.2	1.1	189.0	2.8

Table 13L. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Lexington, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 31G98			175.3*	17.9	100.0	3.0	58.4
AGRIGOLD A-6729Bt			164.3*	20.7	100.0	1.0	57.6
PIONEER BRAND 31B13(Bt)	159.0*	149.2*	155.5	19.7	100.0	2.5	55.6
AGVENTURE AV977			153.9	18.7	100.0	2.5	57.1
PIONEER BRAND 31R88			152.2	19.8	100.0	4.0	57.1
SO. STATES SS900Bt			151.0	17.7	100.0	1.5	55.3
CROW'S C702			150.7	20.4	99.5	3.6	54.9
DEKALB DK697		137.9*	149.9	21.3	100.0	3.0	57.0
NK BRAND N83-Z8			146.1	22.1	100.0	0.5	58.0
AGRIGOLD A-6675			140.6	16.7	100.0	2.0	56.5
GARST 8222IT	158.3*	145.4*	140.5	20.0	100.0	5.1	57.3
DEKALB DK687			140.1	17.8	100.0	3.5	56.5
AGRIGOLD A-6620			139.6	19.4	100.0	3.5	54.7
CROPLAN GENETICS TR1226			139.3	21.5	100.0	2.0	54.6
GARST 8220	137.8	129.4	137.0	20.6	100.0	4.5	53.7
B73 X PA91	132.4	121.2	136.2	22.4	100.0	3.0	55.6
DYNA-GRO DG15548			133.2	21.3	100.0	3.0	55.3
SO. STATES SS859CL		125.2	129.8	20.6	100.0	5.1	52.6
WILSON E7004			110.5	23.1	100.0	3.0	55.6
LATE AVERAGE	146.8	134.7	144.5	20.1	99.7	3.0	56.0
LSD (0.10)	10.9	14.4	16.3	1.8	0.3	2.1	1.7
C.V.			8.2	6.6	0.2	51.7	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 13M. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Lexington, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000	
BIO GENE BG408			177.6*	17.7	99.0	1.5	56.5	
PIONEER BRAND 33A14(Bt)	156.6*	133.4*	176.4*	17.1	100.0	0.0	56.8	
SO. STATES SS729CL		138.0*	175.7*	15.7	100.0	2.0	57.0	
SO. STATES SS849CL		121.7	174.2*	18.4	100.0	1.5	54.7	
EXSEGEN ES519		134.9*	173.2*	18.1	100.0	1.5	58.3	
PIONEER BRAND 33K62(Bt)		136.4*	171.2*	17.7	100.0	0.0	60.0	
DEKALB DK658			170.7*	16.3	100.0	0.5	57.9	
AGRIGOLD A-6609Bt			170.3*	19.2	100.0	0.0	57.7	
BIO GENE BG407			168.9*	19.4	100.0	0.0	57.2	
PFISTER 3977	158.1*	138.1*	168.8*	19.9	100.0	0.0	55.9	
AGRIGOLD A-6540			166.9*	16.5	99.5	0.5	56.4	
GOLDEN HARVEST H-9471			166.9*	18.3	100.0	0.0	57.2	
DEKALB DK647BtY			166.1*	16.6	100.0	0.0	57.6	
BECK'S 8280	149.2*	129.7*	166.0*	20.4	100.0	0.5	59.8	
CROPLAN GENETICS TR1166Bt			165.8*	19.5	100.0	0.5	58.2	
MYCOGEN 2833(Bt)			164.3*	17.6	99.5	0.5	55.9	
CAVERNDALE CF940	145.1	129.2*	162.7*	17.8	100.0	2.5	57.1	
GATEWAY 1157	151.7*	126.6*	162.3*	20.6	98.0	0.0	56.8	
CAVERNDALE CF835	142.5	119.6	161.7*	16.2	100.0	0.0	55.4	
AGRIGOLD A-3907			161.4*	16.6	100.0	0.5	55.5	
ZIMMERMAN 1851W	140.3	114.9	161.2*	20.2	100.0	0.5	56.8	
PIONEER BRAND 33G27(Bt)		124.6	161.2*	16.7	100.0	1.0	58.6	
CROPLAN GENETICS 818			161.2*	18.6	100.0	1.5	55.9	
CROPLAN GENETICS TR1167CL			161.1*	17.5	98.0	1.0	58.1	
SO. STATES SS828	141.9	118.5	161.0*	16.3	100.0	1.5	54.4	
CAVERNDALE CF828Bt		122.8	160.8*	13.9	100.0	0.0	55.2	
LG SEEDS C7640Bt		119.8	160.8*	17.8	99.5	0.5	56.7	
ASGROW RX794RR			160.3*	17.1	100.0	1.0	56.3	
PIONEER BRAND 33J56		124.2	160.2*	16.2	100.0	1.0	57.4	
BIO GENE Bt4220			159.3	20.8	98.5	1.5	57.6	
LG SEEDS LG2651			158.7	15.6	100.0	1.0	54.8	
CROW'S C5250			158.2	17.5	99.0	1.5	55.2	
GOLDEN HARVEST H-9229		130.6*	158.1	15.2	100.0	0.0	58.1	
CROPLAN GENETICS TR1157	141.6	121.6	157.5	18.4	100.0	1.5	55.0	
CAVERNDALE CF890		130.4*	157.2	15.3	100.0	2.0	57.5	
ADLER 5440			157.1	16.9	100.0	2.5	57.4	
ZIMMERMAN Z37	138.8	113.3	156.9	21.0	100.0	1.5	56.7	
LG SEEDS LG2637			156.8	16.8	100.0	1.0	56.7	
NK BRAND N73-Q3			156.7	17.0	100.0	1.0	56.6	
AGVENTURE AV864			156.6	17.8	100.0	0.5	55.9	
LG SEEDS LG2696			156.5	17.9	100.0	1.0	55.4	
EXSEGEN ES617	140.4	116.4	155.5	19.6	100.0	0.5	58.4	
SO. STATES SS769Bt	156.2*	127.3*	155.4	19.3	100.0	1.5	58.8	
MYCOGEN 2799IMI(Bt)			121.0	154.9	17.4	100.0	0.5	54.5
FR27 X M017	139.9	115.6	154.5	17.7	100.0	1.0	53.9	
PIONEER BRAND 32K61	150.3*	129.8*	153.8	17.3	100.0	0.0	59.0	
PIONEER BRAND 3335	152.6*	128.3*	153.7	17.0	100.0	1.0	57.8	
CAVERNDALE CF885	146.9	128.4*	153.2	17.2	100.0	1.5	54.6	
SO. STATES SS691			153.0	15.2	100.0	0.0	57.8	
BIO GENE BG316			152.1	20.7	100.0	1.0	55.1	
LG SEEDS LG2726	140.7	113.5	151.6	19.6	100.0	1.0	56.3	
AGRIGOLD A-6598CL			151.5	16.3	99.5	1.5	57.0	
CAVERNDALE CF832IMI		112.1	151.5	16.8	100.0	0.5	56.4	
DEKALB DKC65-25			150.6	16.7	98.5	0.0	56.4	
NK BRAND N79-L3	136.0	110.9	150.4	19.1	100.0	0.5	58.3	
ZIMMERMAN 1790W	140.6	125.5*	149.5	19.5	99.0	0.0	56.6	
ZIMMERMAN 1780W	130.7	110.6	148.8	21.0	100.0	1.0	55.7	
GOLDEN HARVEST H-9345		127.5*	145.7	17.1	99.0	0.5	56.1	
BIO GENE BG422			145.5	19.3	96.0	0.0	56.7	
ZIMMERMAN Z64W	127.0	98.4	142.2	20.2	100.0	0.5	56.7	
PIONEER BRAND 33T17(W)			139.2	16.7	100.0	0.5	59.5	
AGRIGOLD A-6617			139.2	18.7	100.0	0.5	56.3	
LG SEEDS LG2606			137.5	17.7	100.0	1.5	54.0	
ASGROW RX843			136.7	19.1	100.0	2.5	56.5	
MEDIUM AVERAGE	144.1	123.3	158.3	17.8	99.7	0.8	56.7	
LSD (0.10)	10.5	12.8	17.4	1.5	1.3	1.6	1.8	
C.V.			8.1	6.4	0.9	145.3	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 in that column.

Table 14E. Annual Summary, 2000, Early Hybrids (112 Days to Maturity or Earlier), Quicksand, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 34B23		139.9*	131.2*	12.1	100.0	0.5	57.2
GOLDEN HARVEST H-2552	137.3	130.7	130.4*	10.9	91.9	6.0	53.2
BECK'S 4022			123.1*	11.7	94.4	0.0	54.9
BECK'S 5422			121.9*	10.7	100.0	7.6	53.1
CROW'S C496Bt			121.8*	10.5	97.0	1.1	53.5
SO. STATES SS710		144.5*	119.9*	11.1	100.0	0.0	55.5
ASGROW RX764			117.2	11.6	97.5	1.0	56.4
BECK'S 6262			116.8	13.1	100.0	1.5	56.6
ZIMMERMAN N71-T7		131.9	114.6	13.5	99.0	1.5	55.5
BECK'S 5912W	158.8*	142.1*	113.4	11.8	97.5	4.3	57.8
DEKALB DKC61-24			113.3	10.5	100.0	0.5	53.6
CROPLAN GENETICS TR1087			112.6	10.5	96.5	5.1	51.6
DYNA-GRO 5505RR		121.8	111.7	10.9	100.0	11.6	56.3
SO. STATES SS670Bt			110.2	11.0	97.0	7.9	55.3
GATEWAY 9411Bt			109.8	10.7	100.0	7.1	54.6
CROPLAN GENETICS TR1097		128.7	109.1	10.3	96.0	0.6	52.9
GARST 8366IT			108.9	10.9	100.0	1.5	53.2
AGRIGOLD A-6545			108.8	11.0	87.4	0.0	54.2
PIONEER BRAND 33Y18	150.8*	133.8	107.3	11.6	99.0	0.5	58.0
NK BRAND N63-G7	159.4*	153.8*	107.0	11.2	95.5	0.0	55.5
PIONEER BRAND 33G26	149.5*	132.0	104.1	11.3	97.5	0.0	57.3
LG SEEDS C7557	149.7*	143.3*	102.3	10.8	97.0	0.0	53.6
ADLER 3150			101.8	12.3	100.0	7.6	58.4
CROPLAN GENETICS TR1089RR			100.4	10.7	96.0	2.1	49.3
AGRIGOLD A-6483RR			100.4	11.3	100.0	4.0	55.7
ZIMMERMAN Z42	136.9	126.4	100.3	10.8	100.0	2.5	54.8
MYCOGEN 2767(Bt)			99.8	10.4	97.5	0.0	53.0
NK BRAND N58-D1		119.8	98.9	10.9	100.0	10.1	54.9
CROPLAN GENETICS TR1129RR		116.6	97.7	11.1	100.0	0.5	55.6
AGRIGOLD A-6469Bt			97.0	10.8	87.9	0.6	54.7
MYCOGEN 2717IMI(Bt)		127.3	96.2	10.9	90.9	1.7	54.5
EXSEGEN ES217			95.1	11.0	97.0	2.1	53.7
ASGROW RX799Bt		128.7	94.9	11.5	100.0	1.5	55.7
AGVENTURE AV793RR			93.9	11.2	100.0	12.6	55.2
EXSEGEN ES210W			92.6	12.2	92.9	0.0	58.2
PFISTER 2550			92.3	11.8	100.0	9.1	58.6
AGVENTURE AV1813			89.9	12.2	99.0	1.5	57.9
AGRIGOLD A-6460			83.2	10.6	97.0	5.1	53.6
FR1064 X FR450	112.4	108.8	82.8	10.3	100.0	4.0	52.8
BECK'S 6205	128.1	108.5	81.9	10.5	98.0	2.1	54.0
CROPLAN GENETICS TR1106	136.0	131.9	77.4	10.5	95.5	2.0	53.0
EARLY AVERAGE	141.9	130.0	104.7	11.2	97.4	3.1	55.0
LSD (0.10)	15.2	16.8	11.9	0.6	6.1	7.2	1.3
C.V.			8.3	4.3	4.6	170.5	1.8

Table 14L. Annual Summary, 2000, Late Hybrids (118 Days to Maturity or Later), Quicksand, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PIONEER BRAND 31G98			184.8*	12.7	100.0	1.0	56.5
GARST 8220	152.3	149.2*	161.4	16.0	100.0	0.0	54.3
CROPLAN GENETICS TR1226			154.4	16.3	99.0	3.6	59.3
AGRIGOLD A-6729Bt			149.5	13.4	100.0	0.5	57.5
PIONEER BRAND 31B13(Bt)	173.5*	156.5*	143.6	14.5	100.0	4.0	56.7
CROW'S C702			143.0	15.1	100.0	0.0	55.2
DEKALB DK687			141.2	13.9	100.0	0.5	56.7
GARST 8222IT	168.4*	149.1*	141.2	15.0	100.0	4.0	57.9
DEKALB DK697		164.9*	140.9	13.1	100.0	0.0	56.2
AGVENTURE AV977			133.9	13.6	92.9	0.0	57.2
AGRIGOLD A-6675			132.5	12.7	100.0	6.1	58.1
NK BRAND N83-Z8			127.5	14.4	92.9	0.6	58.3
PIONEER BRAND 31R88			127.4	14.6	99.0	1.5	55.3
SO. STATES SS900Bt			125.4	13.1	100.0	2.5	55.0
SO. STATES SS859CL		121.9	124.6	12.8	97.0	4.7	54.6
WILSON E7004			122.5	17.4	100.0	0.5	56.6
DYNA-GRO DG15548			112.6	14.9	100.0	0.0	57.5
AGRIGOLD A-6620			111.5	13.7	91.4	1.5	56.2
B73 X PA91	142.8	121.1	105.9	13.9	100.0	2.5	54.7
LATE AVERAGE	159.2	143.8	136.0	14.3	98.5	1.8	56.5
LSD (0.10)	13.6	17.1	17.7	1.2	4.5	2.7	1.4
C.V.			9.4	5.9	3.3	111.1	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 14M. Annual Summary, 2000, Medium Hybrids (113-117 Days to Maturity), Quicksand, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
CROPLAN GENETICS 818			164.1*	14.0	100.0	1.0	57.0
PIONEER BRAND 33J56		151.1*	159.9*	12.4	100.0	3.5	56.7
SO. STATES SS849CL		153.6*	153.4*	14.7	100.0	0.0	55.1
ZIMMERMAN Z64W	161.3**	154.7*	149.9*	14.3	100.0	1.0	57.0
PIONEER BRAND 33K62(Bt)		146.5*	145.8	14.2	100.0	0.0	59.4
PIONEER BRAND 33T17(W)			144.6	13.5	96.0	8.2	58.7
PIONEER BRAND 33G27(Bt)		151.0*	143.6	12.0	100.0	1.5	57.2
BECK'S 8280	149.4*	142.1*	143.1	13.2	100.0	1.0	58.4
ASGROW RX843			142.6	14.6	96.5	2.1	57.8
GOLDEN HARVEST H-9471			142.2	12.9	100.0	2.5	57.5
PIONEER BRAND 32K61	148.7*	132.6	141.9	13.8	96.5	1.0	59.1
LG SEEDS LG2726	154.7*	148.6*	141.2	14.8	100.0	1.0	55.6
PFIISTER 3977	154.3*	152.0*	140.8	12.2	100.0	0.0	54.9
BIO GENE BG422			140.0	14.1	93.9	1.6	58.7
CAVERNDALE CF940	156.0*	147.2*	138.7	12.5	100.0	1.0	56.8
BIO GENE BG316			138.1	12.3	100.0	5.1	54.6
DEKALB DKC65-25			136.9	12.0	100.0	3.5	54.9
GATEWAY 1157	161.1*	149.0*	136.2	14.1	98.5	0.5	57.6
AGRIGOLD A-6540			135.3	11.5	100.0	2.0	55.9
ZIMMERMAN 1790W	142.9	134.2	134.9	12.9	100.0	4.0	55.9
AGRIGOLD A-6617			132.1	12.5	100.0	4.0	57.3
LG SEEDS LG2637			131.3	12.2	90.4	1.7	57.2
DEKALB DK647BtY			130.6	12.3	91.4	5.0	53.3
ZIMMERMAN 1780W	161.8*	150.5*	130.2	13.3	100.0	3.0	56.7
BIO GENE Bt4220			129.3	12.9	93.9	3.8	57.1
ZIMMERMAN 1851W	156.6*	138.4*	128.3	14.3	100.0	2.5	55.4
LG SEEDS LG2606			127.5	11.9	90.9	4.6	55.3
CROPLAN GENETICS TR1167CL			127.0	12.1	100.0	3.5	57.4
PIONEER BRAND 33A14(Bt)	132.4	127.4	125.8	12.4	92.9	1.5	55.6
PIONEER BRAND 3335	149.8*	132.0	125.6	11.0	100.0	4.0	54.1
ADLER 5440			125.5	12.6	98.0	3.7	59.4
CAVERNDALE CF885	145.3	134.9	124.9	12.1	94.4	4.7	55.7
ZIMMERMAN Z37	150.4*	146.0*	122.3	14.1	97.5	1.5	56.5
SO. STATES SS691			121.4	11.5	100.0	1.5	54.7
GOLDEN HARVEST H-9229		123.6	121.2	13.7	100.0	6.1	59.2
FR27 X M017	138.4	130.4	121.2	12.1	100.0	5.6	54.3
SO. STATES SS729CL		137.6*	121.0	11.9	100.0	5.6	56.7
CAVERNDALE CF835	150.9*	143.6*	119.9	12.0	100.0	6.1	55.5
AGRIGOLD A-6598CL			119.6	12.5	100.0	0.5	58.8
DEKALB DK658			119.1	12.0	99.0	0.5	56.5
MYCOGEN 2833(Bt)			118.1	12.2	95.5	3.0	52.9
LG SEEDS C7640Bt		118.8	115.8	10.9	97.5	2.1	55.0
CROW'S C5250			115.1	12.0	100.0	5.1	56.3
BIO GENE BG408			113.8	13.2	100.0	3.5	55.7
ASGROW RX794RR			113.5	12.5	97.0	2.5	56.0
NK BRAND N73-Q3			113.0	11.4	100.0	1.5	55.4
GOLDEN HARVEST H-9345		116.7	112.3	13.1	100.0	5.6	57.6
MYCOGEN 2799IMI(Bt)		125.5	110.8	13.2	97.5	1.1	53.6
CAVERNDALE CF828Bt		122.1	110.3	13.3	100.0	0.0	52.3
CAVERNDALE CF832IMI		123.1	109.7	12.2	100.0	4.5	54.3
CAVERNDALE CF890		121.8	109.4	12.1	100.0	3.0	58.1
BIO GENE BG407			109.3	12.1	80.3	4.1	56.9
LG SEEDS LG2651			108.1	12.0	82.3	3.5	57.3
EXSEGEN ES617	140.7	130.8	104.9	15.5	100.0	2.0	55.7
AGVENTURE AV864			104.8	10.8	100.0	1.0	54.8
SO. STATES SS828	133.8	123.9	104.0	11.7	99.0	0.0	52.7
EXSEGEN ES519		133.5	103.3	13.6	83.8	2.5	56.9
AGRIGOLD A-3907			103.1	12.7	98.5	8.3	54.2
SO. STATES SS769Bt	139.0	120.7	102.8	11.2	100.0	3.5	51.4
CROPLAN GENETICS TR1157	154.8*	141.9*	101.4	11.8	100.0	0.5	55.2
AGRIGOLD A-6609Bt			99.8	11.9	100.0	3.0	54.5
LG SEEDS LG2696			98.5	15.6	78.3	3.4	54.5
CROPLAN GENETICS TR1166Bt			89.3	12.9	100.0	7.1	54.2
NK BRAND N79-L3	125.1	112.5	87.2	13.2	93.9	1.1	61.6
MEDIUM AVERAGE	148.0	135.8	124.0	12.7	97.3	2.8	56.1
LSD (0.10)	14.3	17.3	17.8	1.5	5.7	4.9	1.8
C.V.			10.6	8.6	4.3	124.5	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 15A. Annual Summary, 2000, High Oil Hybrids, Henderson, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
BECK'S 5405TC			173.1*	11.6	85.4	5.5	54.9
PFISTER 3977-19		155.7*	171.4*	12.4	95.0	4.4	55.9
WILSON EDX92			168.8*	15.7	82.1	13.5	56.7
DYNA-GRO 15556			167.8*	14.4	90.0	6.0	54.8
MYCOGEN 7250TC			162.6*	12.9	79.2	6.9	56.7
WYFFELS W7029TC		155.1*	161.7*	12.5	83.3	3.5	54.8
ASGROW RX748TC		151.7*	159.3*	11.4	77.5	7.8	54.4
BECK'S 6205TC	155.7*	144.7*	156.8*	12.2	82.5	8.5	54.2
PFISTER SK2550-19			154.9*	12.4	86.7	9.4	55.9
AGRIGOLD A-6725TC			153.5	17.2	86.3	15.9	56.6
DYNA-GRO 15557			153.3	15.8	82.9	11.7	56.5
WILSON EDX51			152.5	16.7	86.7	8.4	54.9
MYCOGEN 2725TC			148.0	9.5	82.1	8.4	52.1
GOLDEN HARVEST H-9257HOC			146.5	13.0	76.3	6.7	56.0
WYFFELS W7355TC			144.8	13.0	79.6	10.5	56.2
AGRIGOLD A-6490TC			136.2	12.5	77.5	4.2	55.4
HIGH OIL AVERAGE	155.7	151.8	156.9	13.3	83.3	8.2	55.4
LSD (0.10)	15.8	18.0	19.1	1.7	10.8	5.6	2.3
C.V.			8.8	9.2	9.4	48.9	2.8

Table 15B. Annual Summary, 2000, High Oil Hybrids, Mayfield, Ky.

BRAND/HYBRID	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
WILSON EDX51		168.1*	12.3	87.1	10.0	55.5
WYFFELS W7355TC		164.9*	10.2	82.9	7.5	57.7
BECK'S 5405TC		164.7*	10.1	83.3	9.5	54.1
ASGROW RX748TC	132.8*	164.2*	10.0	75.0	11.4	55.4
PFISTER 3977-19	124.0*	161.4*	11.0	84.6	9.5	55.8
AGRIGOLD A-6725TC		157.5*	11.3	87.5	6.8	55.8
WILSON EDX92		154.7*	12.4	87.5	11.8	55.2
DYNA-GRO 15557		154.6*	11.3	87.9	5.3	55.9
PFISTER SK2550-19		152.0	10.1	77.1	6.4	56.6
DYNA-GRO 15556		150.7	10.9	85.0	6.3	54.5
GOLDEN HARVEST H-9257HOC		149.0	10.2	88.8	7.5	56.0
MYCOGEN 2725TC		146.6	10.2	78.8	7.4	55.6
WYFFELS W7029TC	111.9	145.2	10.1	76.7	6.6	54.7
BECK'S 6205TC	116.7	140.3	10.0	77.9	10.3	54.0
AGRIGOLD A-6490TC		139.7	10.4	75.8	9.9	56.5
MYCOGEN 7250TC		139.6	10.3	77.5	11.0	54.5
HIGH OIL AVERAGE	121.4	153.3	10.7	82.1	8.6	55.5
LSD (0.10)	10.7	15.1	1.6	11.2	1.2	1.3
C.V.		7.1	4.7	7.7	47.4	1.7

Table 15C. Annual Summary, 2000, High Oil Hybrids, Lexington, Ky.

BRAND/HYBRID	YIELD BU/AC 98-00	YIELD BU/AC 99-00	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
PFISTER 3977-19		133.7*	170.3*	20.4	95.4	1.7	56.2
WILSON EDX51			169.1*	21.4	93.8	1.4	58.3
BECK'S 5405TC			166.1*	16.0	89.6	2.3	55.6
WYFFELS W7355TC			164.5*	15.2	94.2	4.0	58.4
MYCOGEN 2725TC			164.5*	17.6	97.1	0.9	56.8
AGRIGOLD A-6725TC			162.6*	20.7	94.6	2.6	58.3
WYFFELS W7029TC		119.0	161.5*	16.1	94.2	0.9	55.4
MYCOGEN 7250TC			159.0*	18.5	93.8	1.4	56.7
GOLDEN HARVEST H-9257HOC			156.8*	15.4	88.8	2.8	57.9
PFISTER SK2550-19			156.1*	14.4	89.6	0.5	56.1
ASGROW RX748TC		120.6	155.3*	16.3	93.3	2.7	55.7
DYNA-GRO 15556			154.7*	20.1	87.1	2.4	55.3
WILSON EDX92			153.7*	20.2	95.4	3.5	55.5
DYNA-GRO 15557			153.6*	22.5	92.1	3.2	58.2
BECK'S 6205TC	146.6*	124.9*	153.3*	16.9	89.2	2.4	55.9
AGRIGOLD A-6490TC			146.9	14.9	88.8	1.4	56.5
HIGH OIL AVERAGE	146.6	124.5	159.2	17.9	92.3	2.1	56.7
LSD (0.10)	8.2	12.3	18.2	2.2	5.4	14.4	1.7
C.V.			8.3	8.9	3.0	61.9	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 15D. Annual Summary, 2000, High Oil Hybrids, All Locations.

BRAND/HYBRID	YIELD BU/AC 2000	% MOIST 2000	% STAND 2000	TOT % LODGED 2000	TEST WT LBS/BU 2000
BECK'S 5405TC	168.0*	12.6	86.1	5.8	54.9
PFISTER 3977-19	167.7*	14.6	91.7	5.2	56.0
WILSON EDX51	163.2*	16.8	89.2	6.6	56.3
ASGROW RX748TC	159.6*	12.6	81.9	7.3	55.2
WILSON EDX92	159.0*	16.1	88.3	9.6	55.8
WYFFELS W7355TC	158.1*	12.8	85.6	7.3	57.4
AGRIGOLD A-6725TC	157.9	16.4	89.4	8.4	56.9
DYNA-GRO 15556	157.7	15.1	87.4	4.9	54.9
WYFFELS W7029TC	156.2	12.9	84.7	3.7	55.0
PFISTER SK2550-19	154.4	12.3	84.4	5.4	56.2
DYNA-GRO 15557	153.8	16.6	87.6	6.7	56.9
MYCOGEN 7250TC	153.7	13.9	83.5	6.4	56.0
MYCOGEN 2725TC	153.0	12.4	86.0	5.6	54.8
GOLDEN HARVEST H-9257HOC	150.8	12.9	84.6	5.7	56.6
BECK'S 6205TC	150.1	13.0	83.2	7.1	54.7
AGRIGOLD A-6490TC	140.9	12.6	80.7	5.2	56.1
HIGH OIL AVERAGE	156.5	14.0	85.9	6.3	55.8
LSD (0.10)	9.9	0.9	4.7	2.7	1.0

Table 15E. Two-year Summary, 1999-2000, High Oil Hybrids, All Locations.

BRAND/HYBRID	YIELD BU/AC 99-00	% MOIST 99-00	% STAND 99-00	TOT % LODGED 99-00	TEST WT LBS/BU 99-00
PFISTER 3977-19	137.8*	14.8	89.1	5.8	56.0
ASGROW RX748TC	135.0*	12.2	84.0	7.8	55.3
BECK'S 6205TC	128.8	12.9	83.5	7.9	54.9
WYFFELS W7029TC	128.7	12.4	86.0	7.5	55.0
HIGH OIL AVERAGE	132.6	13.1	85.7	7.2	55.3
LSD (0.10)	8.0	0.7	3.6	3.1	0.7

Table 15F. Annual Summary, 2000, High Oil Hybrids, Chemical Composition, Lexington, Ky.

BRAND/HYBRID	PROTEIN	OIL	STARCH
.....% dry wt.....			
AGRIGOLD A-6490TC	11.7	8.7	62.8
AGRIGOLD A-6725TC	12.7	8.7	61.6
ASGROW RX748TC	11.9	8.1	63.7
BECK'S 6205TC	10.9	8.1	64.7
BECK'S 5405TC	10.8	7.6	65.3
DYNA-GRO 15556	12.0	8.6	62.9
DYNA-GRO 15557	10.9	8.8	63.3
GOLDEN HARVEST H-9257HOC	11.7	8.9	62.6
MYCOGEN 2725TC	11.6	8.3	63.3
MYCOGEN 7250TC	10.5	8.6	64.6
PFISTER 3977-19	10.5	9.0	63.8
PFISTER SK2550-19	11.6	8.9	63.1
WILSON EDX51	13.7	8.5	60.4
WILSON EDX92	11.6	7.4	64.5
WYFFELS W7029TC	11.3	7.6	65.2
WYFFELS W7355TC	9.6	8.9	65.1
HIGH OIL AVERAGE	11.4	8.4	63.6

Note: To convert to 15% moisture, multiply values by .85.



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