LIST OF TABLES

ACKNOWLEDGEMENTS

The authors are grateful to the Agricultural Communications Services — Computing Section and to Mr. Danny Walls for assistance in summarizing the results presented in this progress report. Also, acknowledgements are made to the following people who helped conduct this year's performance test.

Dr. Morris Bitzer, Extension Specialist in Grain Crops, Lexington
Dr. John R. Hartman and Dr. Paul C. Vincelli, Extension Specialists in Plant Pathology, Lexington
Dr. James Herbek, Extension Specialist in Grain Crops, Research and Education Center, Princeton
Donnie Davis, Superintendent, Research and Education Center, Princeton
Mason Morrison, Superintendent, Robinson Substation, Quicksand
Darrel Tichenor, Extension Agent, Benton (Marshall Co.)
Don Kessler, Extension Agent, Franklin (Simpson Co.)
Roger Sparrow, Extension Agent, Frankfort (Franklin Co.)
Wayne Mattingly, Extension Agent, Owensboro (Daviess Co.)
Roy Catlett, Extension Agent, Shelbyville (Shelby Co.)

1991 Kentucky Hybrid Corn Performance Test

C.G. Poneleit and K.O. Evans

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 1991 data is presented for the tests at each location harvested. Two- and three-year averages for yield are included in each of the single location tables. Readers are encouraged to consider these multiple year averages and the averages over locations (Tables 4, 5 and 6) since these are better estimates of a hybrid's yield ability than data gathered at one location in one year.

Comparisons between yields or other characters of any two or more hybrids should be made only with data from one table at a time. The testing procedures do not provide a suitable comparison between a hybrid grown at one location with another grown at a different location.

TESTING PROCEDURE

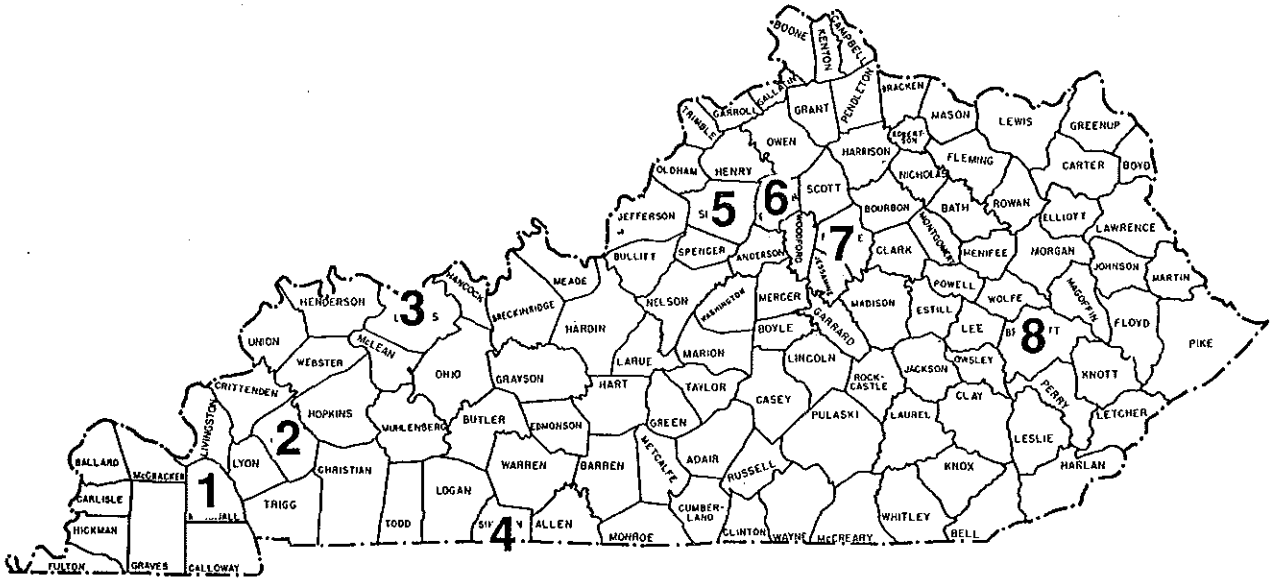
SELECTION OF HYBRIDS

The hybrids chosen for testing are those most likely to be available for sale in 1992. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company.

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

LOCATION OF TESTS

The map on page 3 shows the location for each test. The non-virus test sites were selected to represent different agroclimatic areas of the state where corn is a major commodity. The Frankfort site was chosen specifically for the presence of corn virus.



Locations of the 1991 Hybrid Corn Performance Test

CULTURAL PRACTICES

The test locations at Shelbyville and Benton were planted no-till. The other test locations were planted in a seedbed prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The tests at Shelbyville and Benton were planted in soybean and wheat residue using recommended no-tillage practices. All test areas were treated with herbicide(s) and supplemented by post-emergence cultivation and/or herbicide when necessary. Except for the virus tests, Counter was applied in the row at planting to control corn rootworms. The virus test at Frankfort received no insecticide. Table 3 shows the specific cultural treatment for each location.

EXPERIMENTAL DESIGN

Each hybrid was grown in three separate plots at each location to sample uncontrollable variability of soil types, fertility and other factors. Annual mean yields presented in the tables are averages of three replications at the test site, while 2-year and 3-year means are averages of six and nine replications, respectively. An 11 x 12 lattice design was used at each non-virus location. A 7 x 7 lattice design was used at the virus location.

Small differences in yield are usually of little importance. The yield of two varieties at a single location may differ because of chance factors (difference in soil characteristics, fertility or availability of moisture) even though the inherent yielding ability is the same. To decide if an observed yield difference is real, use the LSD (least significant difference) provided at the bottom of the tables. If the difference in yield is greater than the LSD value, you may be reasonably certain that the entries actually do differ in yield ability. "N.S." in the tables indicates that no statistically significant differences were determined. The LSD is calculated for an alpha level of 0.10.

PLANTING

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

HARVESTING

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

CORN VIRUS

Two corn virus diseases occur in Kentucky: maize dwarf mosaic virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in johnsongrass and are usually present as a virus complex. The Frankfort test was planted with 44 nominated hybrids and two check hybrids to evaluate resistance to the virus complex. Three Kentucky experimental hybrids were also included, but this data is not included. The test plots were evaluated for virus symptoms on August 5, but virus symptoms were found on only a few of the corn plants. Virus symptoms, however, did appear frequently on johnsongrass present in the plot area. Owing to the mild disease pressure, no virus ratings were taken.

MATURITY COMPARISONS

Three open-pedigree hybrids (FR27 X LH38, FR27 X Mo17, and FR27 X Pa91) were included in each non-virus test to provide an internal evaluation of hybrid maturity. The seed of these hybrids was obtained from Illinois Foundation Seeds, Inc. The relative maturities of these hybrids for Kentucky, rated by Illinois Foundation Seeds, Inc., are Early-, Mid-, and Late-Season, respectively. The relative maturity ratings were quite appropriate since the harvest moistures of the hybrids when averaged across all non-virus locations (see Table 4) were 13.2 percent for FR27 X LH38, 13.3 percent for FR27 X Mo17, and 15.5 percent for FR27 X Pa91. Harvest maturity of other hybrids in the test can be judged by comparison of harvest moisture relative to these checks and other hybrids of known maturity for your area of production.

NOTES ABOUT THE GROWING SEASON

BENTON (Marshall County)

The Benton test was planted on April 25. The test was checked for seedling emergence on May 13. Plant populations were good. Cocklebur plants became apparent in the test on June 1. The test was checked again on August 21 at which time cocklebur and horse weed were growing abundantly in the alleyways. Gray leaf spot was present in the test at this time, although yields appeared to be good. There were no apparent insect problems.

PRINCETON (Kentucky Agricultural Experimental Station, Research and Education Center)

The Princeton test was planted on May 1. Seedling emergence was good on May 20. Weed control was excellent early in the season but seedling johnsongrass emerged in the alleyways late in the season. There appeared to be no disease problems, however, European corn borer caused some lodging, and the test suffered drought stress due to lack of timely mid-season rainfall. The test was near harvest moisture on August 21.

FRANKLIN (Simpson County)

The Franklin test was planted on May 1. Seedling emergence and weed control were good when checked on May 14. The plot remained free of disease and insect problems on June 26, but some late season weeds and grasses were present at harvest. The test suffered drought stress from lack of timely rainfall.

OWENSBORO (Daviess County)

The Owensboro test was planted on May 30. Seedling emergence and weed control were good on June 27. Some late season grasses and weeds, especially shattercane, were present in the alleyways at harvest. There was heavy European corn borer damage, which caused many dropped ears and there was some bird damage on the outer edges of the plot area. There were no apparent disease problems.

SHELBYVILLE (Shelby County)

The Shelbyville test was planted no-till in a soybean crop residue on April 17. The test was checked on May 15 and plant populations appeared to be good. Weed control was good for most broadleaf weeds and grasses but there were several areas of shattercane and vine infestations. Banvel was applied as a broadcast spray on May 16 and the test was sprayed with Gramoxone and Lasso on June 6 using a shielded sprayer. There were no apparent disease or insect problems. Shattercane and vines still posed some problems at harvest.

LEXINGTON (Kentucky Agricultural Experiment Station, Spindletop Research Farm)

The Lexington test was planted on May 3. Seedling emergence was good and weed control was excellent. The test was sprayed with Basagran on May 29 for nutsedge control. There were no disease problems. There was significant clipping of silks by Japanese beetles during June and July which was near pollination for most hybrids and may have reduced yields.

QUICKSAND (Kentucky Agricultural Experiment Station, Robinson Substation)

The Quicksand test was planted on May 8. Early season weed control was good and seedling emergence was good for most plots. The poor emergence of some plots was likely due to standing water after a heavy rainfall. These plots developed a very poor root system and lodged severely. The test was cultivated on June 10 with a tractor mounted power tiller to control missed weeds and grasses. Johnsongrass and other weeds in the alleyways were controlled by hand spraying with Roundup. There were no apparent disease or insect problems.

FRANKFORT (Franklin County)

The Frankfort test was planted on May 24. Weed control was good, except for johnsongrass and bur cucumber vines. Seedling emergence was good. The test was cultivated twice to control seedling and rhizome johnsongrass. Alleyways were hand sprayed with Roundup to control late season broadleaf weeds and grasses. The test was evaluated on August 5 for the virus complex. Although the virus was present on johnsongrass in the test, little disease was present in the hybrid plots. No virus ratings were taken on the test because of the lack of disease. Japanese beetles clipped some silks during the pollinating season and may have reduced yield levels. There appeared to be no other insect or disease problems.

NOTE

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

Table 1. — Precipitation at Test Locations, 1991

Month	Days	Location							
		Benton	Princeton	Simpson	Owensboro	Shelbyville	Lexington	Quicksand	Frankfort
April	1-8	--	0.48	--	--	--	0.46	0.12	--
	9-16	--	1.38	--	--	--	1.93	1.51	--
	17-24	--	0.80	--	--	0.60*	0.55	1.02	--
	25-30	0.85*	0.61	--	--	0.30	0.15	--	--
	Total	0.85	3.75	0.00	0.00	0.90	3.09	2.65	--
May	1-8	0.43	0.38*	1.20*	--	0.25	0.53*	0.29*	--
	9-16	1.90	2.18	0.80	--	2.15	1.53	2.42	--
	17-24	0.24	0.16	--	--	0.12	3.25	0.86	*
	25-31	1.00	2.21	--	*	0.71	1.12	1.50	--
	Total	3.57	4.93	2.00	0.00	3.23	6.43	5.07	2.50
June	1-8	1.00	0.32	--	0.93	0.30	1.19	1.24	--
	9-16	0.85	0.85	--	0.29	0.30	0.28	0.12	--
	17-24	--	0.32	3.10	0.28	1.95	1.17	3.12	--
	25-30	--	--	--	0.15	0.20	--	0.72	--
	Total	1.85	1.49	3.10	1.65	2.75	2.64	5.20	4.90
July	1-8	1.00	0.20	1.50	--	3.29	3.76	--	--
	9-16	--	1.03	--	0.45	2.06	1.95	2.70	--
	17-24	--	--	--	2.00	0.25	0.13	0.93	--
	25-31	--	--	--	--	--	--	1.03	--
	Total	1.00	1.23	1.50	2.45	5.60	5.84	4.66	6.70
August	1-8	--	0.42	--	1.88	--	--	2.22	--
	9-16	--	0.49	--	0.44	1.32	1.97	1.49	--
	17-24	--	0.28	0.54	2.40	0.68	1.00	1.07	--
	25-31	--	0.42	0.54	0.45	--	0.57	0.04	--
	Total	0 00	1.61	1.08	5.17	2.00	3.54	4.82	1.50
Sept.	1-8	--	0.71	--	0.51	1.80	0.51	0.63	--
	9-16	--	0.78	1.42	0.09	0.45	0.82	0.09	--
	17-24	2.00	0.90	0.28	0.97	0.44	1.55	2.39	--
	25-30	--	0.11	0.57	0.10	--	0.31	0.32	--
	Total	2.00	2.50	2.27	1.67	2.69	3.13	3.43	3.00
Grand Total		9.27	15.51	9.95	20.80	17.17	24.67	25.83	18.60

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

Table 2. — Hybrids Tested in 1991

	Hybrid	Test*	Color	Cross**	Source
Adler's	6130	A	Yellow	2X	Adler Seeds, Inc.
	7905	A	Yellow	2x	Route 1
					Sharpesville, IN 46068
AgraTech	757	A	Yellow	2X	AgraTech Seed Research
	825	A	Yellow	2X	P.O. Box 644
	888	B	Yellow	2X	Atlanta, GA 31714
	891	B	Yellow	2X	
	787	A	Yellow	2X	
AgriGold	A-6690	A	Yellow	2X	Akin Seed Company
	A-6720	A	Yellow	2X	Route 1
	A-6715	A	Yellow	2X	St. Francesville, IL 62460
	A-6796W	AB	White	2X	
Asgrow	RX947	A	Yellow	2X	Asgrow Seed Company
	RX811	A	Yellow	2X	P.O. Box 109
	RX908	A	Yellow	2X	Matthews, MO 63867
	RX956W	A	White	2X	
	RX919	AB	Yellow	2X	
	X9231	B	Yellow	2X	
	RX899	A	Yellow	2X	
Baldridge	BH-575	A	Yellow	2X	Baldridge Bio-Research, Inc.
	BH-630	B	Yellow	2X	955 SR 137 Box 99
					Cherry Fork, OH 45618
Beck's	85MDM	B	Yellow	2X	Beck's Superior Hybrids
	68X	A	Yellow	2X	6767 E. 276th Street
	72X	A	Yellow	2X	Atlanta, IN 46031
	81X	A	Yellow	2X	
	87MDM	B	Yellow	2X	
Bo-Jac	6295	A	Yellow	2X	Bo-Jac Hybrid Corn Company
	9250	A	Yellow	2X	R. R. #2
	905	AB	Yellow	2X	Mount Pulaski, IL 62548
Callahan	C775	A	Yellow	2X	Callahan Seeds
	C776	A	Yellow	2X	1122 E. 169th Street
	C783	A	Yellow	2X	Westfield, IN 46074
Cargill	9027	A	Yellow	2X	Cargill Seeds
	8427	A	Yellow	2X	P.O. Box 9480
	8527	B	Yellow	2X	Minneapolis, MN 55440
	9400W	A	White	2X	
	7997	A	Yellow	2X	

Table 2. — Hybrids Tested in 1991 *continued*

	Hybrid	Test*	Color	Cross**	Source
Caverndale Farms	CF900	B	Yellow	2X	Caverndale Farms
	CF925	A	Yellow	2X	Route 2
	CF950	A	Yellow	2X	Danville, KY 40422
	CF975	A	Yellow	2X	
Colbert	230	A	Yellow	2X	Colbert Farms
	318	A	Yellow	2X	R. R. #2
	324	A	Yellow	2X	Washington, IN 47501
	326	A	Yellow	2X	
Crow's	669	A	Yellow	2X	Crow's Hybrid Corn Company
	670	A	Yellow	2X	Box 306
	675	B	Yellow	2X	Milford, IL 60953
	682	A	Yellow	2X	
	688	A	Yellow	2X	
DeKalb	DK689	AB	Yellow	2X	DeKalb Plant Genetics
	DK715	A	Yellow	2X	3100 Sycamore Road
	DK677	A	Yellow	2X	DeKalb, IL 60115
	DK743	AB	Yellow	2X	
	DK649	B	Yellow	2X	
	DK643	AB	Yellow	2X	
	703W	A	White	2X	
Funk's	G-4631	A	Yellow	2X	CIBA-GEIGY Seed Division
	G-4651	A	Yellow	2X	P.O. Box 18300
	G-4666	A	Yellow	2X	Greensboro, NC 27419
	G-4680	B	Yellow	2X	
	G-4671	AB	Yellow	2X	
	G-4820	B	Yellow	2X	
Garst	8180	B	Yellow	2X	Garst Seed Company
	8250	A	Yellow	2X	Rt 3, Box 93
	8315	A	Yellow	2X	Bowling Green, MO 63334
	8105	A	Yellow	2X	
	8316	A	Yellow	2X	
(Super Crost)	W700	A	White	2X	
	W707	A	White	2X	
(Sun Belt)	1860	B	Yellow	2X	
Glick Seed	GH82X	A	Yellow	2X	Glick Seed Service
	GH760	A	Yellow	2X	16801 E-100N
	GH796	A	Yellow	2X	Hartsville, IN 47224
	GH801	A	Yellow	2X	

Table 2. — Hybrids Tested in 1991 *continued*

	Hybrid	Test*	Color	Cross**	Source
Hubner Seed	H3318	B	Yellow	2X	Hubner Seed Co., Inc.
	H3519	B	Yellow	2X	Route 1, Box 92
	H3715	A	Yellow	2X	West Lebanon, IN 47991
	H3717	AB	Yellow	2X	
	H8819W	A	White	2X	
	H9015	A	Yellow	2X	
Hyperformer	HS9773	A	Yellow	2X	Hyperformer Seed Compamy
	HS9911	B	Yellow	2X	5100 Popular, Suite 3200
	HS97	A	Yellow	2X	Memphis, TN 38137
	HS9704	A	Yellow	2X	
	HS97A	B	Yellow	2X	
Jacobi/ AgraTech	6610	A	Yellow	2X	Triple J Seed Farms
	6640	A	Yellow	2X	7615 N.500 West
	6902	A	Yellow	2X	McCordsville, IN 46055
	9200	B	Yellow	2X	
	9250	B	Yellow	2X	
	9251	B	Yellow	2X(Mod)	
Jacques	8210	A	Yellow	2X	Jacques Seed Company
	8250	B	Yellow	2X	720 St. Croix St.
	8410	A	Yellow	2X	Prescott, WI 54021
	7970	A	Yellow	2X	
	9220	B	Yellow	2X	
	8288	B	Yellow	2X	
McCurdy	7400	A	Yellow	2X	McCurdy Seed Company
	7477	A	Yellow	2X	522 East Main
	7777	AB	Yellow	2X	Fremont, IA 52561
Noble Bear	NBX720W	A	White	2X	NobleBear, Inc.
	NB 739W	A	White	2X	P.O. Box 529
	NB 747W	A	White	2X	Gibson City, IL 60936
Northrup-King	N7816	A	Yellow	2X	Northrup-King & Company
	N8318	A	Yellow	2X	P.O. Box 959
	N8727	A	Yellow	2X	Minneapolis, MN 55440
	N8565W	A	White	2X	
	PX9540	A	Yellow	2X	
	S8505	A	Yellow	2X	
	S8645	B	Yellow	2X	

Table 2. — Hybrids Tested in 1991 *continued*

	Hybrid	Test*	Color	Cross**	Source
Pioneer Brand	3140	A	Yellow	2X	Pioneer Hi-Int'l.
	3142	A	Yellow	2X	1000 West Jefferson St.
	3144W	A	White	2X	Tipton, IN 46072
	3147	B	Yellow	2X	
	3154	AB	Yellow	2X	
	3165	A	Yellow	2X	
	3180	A	Yellow	2X	
	3245	A	Yellow	2X	
	3281W	AB	White	2X	
	3295	A	Yellow	2X	
	3394	A	Yellow	2X	
	X0726	B	Yellow	2X	
Prairie Stream	SX702	A	Yellow	2X	Prairie Stream Farms
	SX565	A	Yellow	2X	Route 3, Box 333
					Frankfort, IN 46041
Scott Seed	LR3347	A	Yellow	2X	Scott Seed Company, Inc.
	LR5241	A	Yellow	2X	P.O. Box 849
	LR3350	A	Yellow	2X	New Albany, IN 47150
	LR5272	B	Yellow	2X	
	LR3359	A	Yellow	2X	
So. Cross	411	A	Yellow	2X	Miles Seed
	511	A	Yellow	2X	2760 Keller Rd.
	611	A	Yellow	2X	Owensboro, KY 42301
	711	A	Yellow	2X	
So. States	SS790	A	Yellow	2X	Southern States Coop., Inc.
	SS793	A	Yellow	2X	P.O. Box 26234
	SS812	A	Yellow	2X	Richmond, VA 23260
	EX45240-V	B	Yellow	2X	
	SS844V	B	Yellow	2X	
	SS917W	A	White	2X	
Stewart Hybrids	S-8815	A	Yellow	2X	Stewart Hybrids Inc.
	S-9212	A	Yellow	2X	Route 1, Box 8
	S-9213	A	Yellow	2X	Princeville, IL 61559
Stine	1091	A	Yellow	2X	Stine Seeds
	1161	A	Yellow	2X	P.O. Box 231
	1181	A	Yellow	2X	Sheridan, IN 46069
	1225	A	Yellow	2X	

Table 2. — Hybrids Tested in 1991 *continued*

	Hybrid	Test*	Color	Cross**	Source
Terra Seed	TR 1170	A	Yellow	2X	Terra Seed & Genetics
	TR 1180	AB	Yellow	2X	950 S. Broadway
	TR 1190	AB	Yellow	2X	Lima, OH 45804
	TR 3400	A	Yellow	2X	
UAP/ Dyna-Gro	5561	A	Yellow	2X	United Agri Products
	5655	A	Yellow	2X	2514 82nd Street, Suite H
	5671	A	Yellow	2X	Lubbock, TX 79423
Vineyard	V-58W	A	White	2X	Vineyard Seed Co., Inc.
	V-68W	A	White	2X	Route 1, Box 147
					Homer, IL 61849
Zimmerman	Z16W	A	White	2X	Zimmerman Hybrids, Inc.
	Z61W	A	White	2X	5147 W. Franklin Rd.
	Z27	A	Yellow	2X	Evansville, IN 47712
	Z35	B	Yellow	2X	
	Z63W	A	White	2X	
K.A.E.S.	FR27xLH38	A	Yellow	2X	Illinois Found. Seeds, Inc.
	FR27xMo17	A	Yellow	2X	P.O. Box 722
	FR27xPa91	A	Yellow	2X	Champaign, IL 61820

* A = Performance Test, B = Virus Test

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

Table 3. — Agronomic Information Pertaining to 1991 Test Locations

Location and Cooperator	Soil Type	Fertilizer Lb/Ac	Herbicide	Insecticide	Planting Dates	Harvest Dates	Comments
1) Benton, KY Eric Howell Route 1	Collins Silt Loam	N -150 P_2O_5 --0 K_2O --0	Aatrex, Princep & Gramoxone	Counter	April 25	Oct. 2 & 3	No-till Soybean Residue
2) Princeton, KY Western Kentucky Res. & Ed. Center	Huntington & Lindside Silt Loam	N - 150 P_2O_5 -50 K_2O 100	Sutan +, Aatrex & Lasso	Counter	May 1	Oct. 4	
3) Owensboro, KY Miles Farm	Melvin Clay Loam	N - 150 P_2O_5 -92 K_2O 120	Bicep	Counter & Ambush	May 30	Oct. 10	
4) Franklin, KY Jack and Gary Summers	Baxter- Mt. View Silt Loam	N - 160 P_2O_5 -40 K_2O -60	Bicep	Counter	May 2	Oct. 9	
5) Shelbyville, KY Mike Ellis	Nicholson Silt Loam	N - 200 P_2O_5-100 K_2O - 50	Princep, Aatrex, Gram- oxone & Banvel	Counter	April 17	Sept. 26, 27 & Oct. 1	No-Till Soybean Residue
6) Frankfort, KY Tommy Quarles	Nolin Silt Loam	N - 170 P_2O_5- 0 K_2O - 50	Eradicane Extra & Aatrex	None	May 24	Oct. 18	Cultivated Two times
7) Lexington, KY K.A.E.S. Spindletop Farm	Lanton Silt Loam	N - 150 P_2O_5 - 0 K_2O -100	Sutan +, Aatrex & Lasso	Counter	May 3	Oct. 22 & 23	
8) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N - 150 P_2O_5 100 K_2O -100	Lasso & Aatrex	Counter	May 8	Oct. 14 & Oct 26	Cultivated June 10

Table 4. -- Annual Summary, All Non-Virus Locations, 1991

BRAND/HYBRID	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS				
DEKALB DK743	132.0	14.8	83.1	10.4
BO-JAC 9250	131.8	13.8	86.5	2.4
ADLERS 7905	129.9	14.3	87.9	1.7
SO. STATES SS793	129.0	14.3	87.4	2.9
MCCURDY 7400	128.0	13.8	81.9	3.7
MCCURDY 7777	127.6	14.7	81.8	5.3
CARGILL 7997	126.8	14.7	86.0	3.4
BECK'S 68X	126.6	13.7	85.6	2.0
COLBERT 326	126.2	13.7	88.1	2.8
BECK'S 72X	125.3	13.7	82.8	7.5
PIONEER BRAND 3154	125.2	14.5	81.1	8.2
ZIMMERMAN Z27	124.6	13.5	83.4	3.8
GLICK SEED GH801	124.4	13.8	85.1	2.3
HUBNER SEED H3717	123.9	13.9	83.8	4.0
NORTHRUP-KING N8727	123.5	15.7	86.1	2.3
JACQUES 8210	123.3	15.0	86.7	3.1
MCCURDY 7477	123.3	14.4	83.9	3.1
BO-JAC 905	122.9	14.4	83.0	2.3
DEKALB DK715	122.8	15.0	81.9	1.9
ASGROW RX919	122.7	14.4	79.3	7.9
BO-JAC 6295	122.6	14.0	82.9	2.6
DEKALB DK643	122.2	13.2	83.3	4.3
NORTHRUP-KING S8505	122.0	14.5	80.2	6.8
CARGILL 8427	121.9	14.5	85.8	2.2
UAP DYNA-GRO 5561	121.9	13.8	86.4	2.1
ADLERS 6130	121.9	13.6	85.1	3.8
PIONEER BRAND 3165	121.9	15.1	82.7	3.6
ASGROW RX908	121.8	13.8	81.2	6.3
PIONEER BRAND 3140	121.5	13.9	81.8	4.7
STEWART HYBRIDS S-9213	121.3	13.6	87.0	1.8
NORTHRUP-KING PX9540	120.6	14.1	85.2	1.3
AGRIGOLD A-6690	120.1	13.9	84.5	3.7
SCOTT SEED LR 3359	120.1	13.6	85.5	2.2
HUBNER SEED H3715	119.4	14.5	84.2	2.4
ASGROW RX947	119.3	14.5	84.1	6.1
CROW'S 688	119.1	14.5	80.3	5.2
JACQUES 7970	119.0	14.5	85.3	3.9
PIONEER BRAND 3295	118.8	13.7	80.2	3.3
AGRI GOLD A-6715	118.3	13.8	87.2	1.3
PIONEER BRAND 3180	118.3	13.5	86.9	3.5
GARST SEED 8250	118.2	14.4	85.6	1.5
AGRIGOLD A-6720	118.2	15.4	84.5	2.5
CROW'S 682	118.0	13.4	80.8	4.1
PIONEER BRAND 3394	117.8	13.2	83.5	3.6
TERRA SEEDS TR1180	117.5	14.0	86.1	3.5
DEKALB DK677	117.1	13.9	86.4	3.1
SO. STATES SS790	116.2	14.1	84.4	2.5
HYPERFORMER HS9773	116.1	13.6	78.9	5.9
UAP DYNA-GRO 5655	116.1	14.5	84.0	2.5
FUNK'S G-4651	116.0	14.5	85.0	2.2
FUNK'S G-4671	115.9	14.3	82.9	4.2
TERRA SEEDS TR1190	115.6	14.2	80.2	4.3
UAP DYNA-GRO 5671	115.4	14.0	83.3	3.4
CARGILL 9027	115.4	14.9	84.0	4.2
SCOTT SEED LR5241	115.4	14.0	84.8	4.3
DEKALB DK689	115.0	14.4	83.3	5.4
ASGROW RX811	114.7	14.1	83.0	5.1
CALLAHAN C776	114.4	14.7	86.6	3.6
FUNK'S G-4631	114.1	15.1	82.8	3.1
CROW'S 670	113.9	13.9	81.0	7.1
STINE 1091	113.7	13.1	79.2	2.3
GARST SEED 8315	113.6	13.7	83.2	4.2
COLBERT 230	113.5	12.9	83.0	3.0
SO. CROSS 711	113.3	13.4	85.1	4.1
SO. CROSS 611	113.3	13.4	82.7	9.0
PIONEER BRAND 3245	113.0	13.7	83.8	2.8
AGRATECH 787	112.6	13.8	81.0	3.2
COLBERT 318	112.5	13.7	85.4	1.2
NORTHRUP-KING N7816	112.3	13.8	82.1	3.5
PRAIRIE STREAM SX702	112.3	13.5	80.8	8.9
HYPERFORMER HS 9704	112.1	14.0	76.0	2.7

Table 4. -- Annual Summary, All Non-Virus Locations, 1991 *continued*

BRAND/HYBRID	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS				
AGRATECH 825	112.1	14.9	86.6	2.4
NORTHRUP-KING N8318	112.0	13.8	84.0	4.2
CAVERNDALE FM. CF975	111.8	15.3	86.0	5.4
HUBNER SEED H3318	111.3	13.7	84.6	1.7
STINE 1181	110.9	13.8	82.8	1.8
CROW'S 669	110.9	14.8	84.1	3.4
COLBERT 324	110.7	14.2	86.4	1.5
TERRA SEEDS TR1170	110.5	14.4	81.6	2.5
GARST SEED 8316	110.2	13.9	83.0	5.8
TERRA SEEDS TR3400	110.0	13.7	78.7	3.6
FUNK'S G-4666	110.0	14.1	82.5	3.8
ASGROW RX899	109.4	13.7	85.3	1.7
SCOTT SEED LR 3347	109.4	13.0	79.3	1.8
GLICK SEED GH82X	109.4	14.4	79.9	6.2
STEWART HYBRIDS S-8815	108.7	14.9	80.9	3.5
PIONEER BRAND 3142	108.6	14.1	80.1	6.3
SO. CROSS 411	108.4	13.9	81.1	1.9
BECK'S 81X	108.1	13.9	86.8	1.4
GLICK SEED GH796	107.9	14.1	80.7	4.5
AGRATECH 6610	107.6	13.3	81.5	4.1
STEWART HYBRIDS S-9212	107.6	13.5	80.9	1.9
FR27 X PA91	107.6	15.5	83.2	7.3
SO. STATES SS812	107.2	13.3	82.4	3.1
STINE 1161	106.8	13.6	80.3	2.2
GARST SEED 8105	106.6	15.9	80.7	3.6
STINE 1225	106.6	16.3	76.5	2.8
FR27 X M017	106.4	13.3	76.2	6.2
GLICK SEED GH760	105.1	13.9	82.2	2.1
CAVERNDALE FM. CF950	105.1	13.7	80.8	5.5
SCOTT SEED LR3350	104.7	14.4	79.4	2.3
AGRATECH 6640	103.4	14.2	82.9	5.4
CALLAHAN C783	103.2	14.4	82.8	6.2
PRAIRIE STREAM SX565	103.0	13.9	84.3	5.0
SO. CROSS 511	103.0	14.4	76.4	3.0
CAVERNDALE FM. CF925	102.4	14.0	73.8	1.9
CALLAHAN C775	102.0	14.4	82.4	3.4
JACQUES 8410	101.9	15.1	86.3	8.9
AGRATECH 6902	101.8	13.7	80.9	7.1
HYPERFORMER HS97	100.7	14.6	84.6	5.0
AGRATECH 757	99.6	13.4	82.3	2.1
BALDRIDGE BH-575	99.3	14.2	83.7	3.3
FR27 X LH38	93.3	13.2	74.4	3.8
YELLOW AVERAGE	114.8	14.1	82.9	3.8
WHITE HYBRIDS				
ZIMMERMAN Z63W	116.8	15.0	85.4	5.0
SO. STATES SS917W	115.4	15.9	85.0	5.0
VINEYARD SEED V-68W	113.7	15.8	87.4	4.6
VINEYARD SEED V-58W	113.6	14.9	84.8	4.3
PIONEER BRAND 3281W	112.8	14.3	86.5	4.3
GARST SEED SC-W707	110.6	15.3	83.6	4.5
CARGILL 9400W	110.4	16.3	86.0	6.9
NOBLEBEAR NBX720W	110.1	14.5	79.6	3.5
ZIMMERMAN Z61W	110.0	14.0	83.5	3.5
HUBNER SEED H8819W	108.4	15.8	83.4	4.4
AGRIGOLD A-6796W	107.2	16.1	87.6	4.1
NOBLE BEAR NB 739W	106.0	14.1	82.1	5.5
NORTHRUP-KING N8565W	105.8	17.0	86.1	3.1
DEKALB DK703W	103.8	15.2	82.6	3.8
ZIMMERMAN Z16W	102.4	15.4	84.4	4.2
PIONEER BRAND 3144W	99.7	14.0	78.7	5.3
ASGROW RX956W	98.6	16.1	86.0	5.0
NOBLE BEAR NB 747W	97.9	14.2	69.9	7.4
GARST SEED SC-W700	96.5	15.7	75.6	7.9
WHITE AVERAGE	107.3	15.2	83.1	4.9
GRAND AVERAGE	113.7	14.3	83.0	4.0
L.S.D.(0.10)	8.9	0.7	3.2	2.1

Table 5. — Two-Year Summary, All Non-Virus Locations, 1991-1990

BRAND/HYBRID	YIELD BU/AC 90-91	AVG % MOIST 90-91	AVG % STAND 90-91	TOT % LODGED 90-91
YELLOW HYBRIDS				
BO-JAC 9250	128.4	18.6	87.5	1.9
COLBERT 326	128.1	18.4	87.5	4.9
ZIMMERMAN Z27	128.1	18.7	85.3	4.2
PIONEER BRAND 3154	126.4	19.1	83.0	8.5
BECK'S 72X	125.1	17.4	85.2	8.2
MCCURDY 7777	125.0	19.2	83.4	5.7
ADLERS 6130	124.5	17.8	85.1	3.2
PIONEER BRAND 3165	124.0	20.7	83.8	3.4
PIONEER BRAND 3140	124.0	18.2	83.3	4.0
SO. STATES SS793	123.9	18.4	87.2	2.3
DEKALB DK643	123.8	16.7	83.9	3.9
ASGROW RX908	123.6	18.7	84.4	5.2
PIONEER BRAND 3295	122.4	17.8	85.3	3.0
CARGILL 8427	122.2	18.7	87.7	2.0
BO-JAC 905	122.0	18.9	84.8	2.2
GARST SEED 8250	122.0	18.3	87.6	1.7
CARGILL 9027	122.0	19.6	86.9	3.1
JACQUES 8210	121.9	19.1	87.4	3.6
NORTHRUP-KING N8727	121.9	20.2	85.6	1.9
MCCURDY 7477	121.7	18.5	86.4	2.4
HUBNER SEED H3717	121.7	18.7	82.8	2.7
CROW'S 688	121.5	18.4	82.4	6.1
GARST SEED 8315	121.4	18.6	85.1	6.4
TERRA SEEDS TR1180	120.7	18.7	86.6	3.1
DEKALB DK715	120.6	19.5	83.5	2.3
ASGROW RX947	120.6	20.0	85.0	4.6
AGRI GOLD A-6715	120.2	18.5	87.3	2.2
SO. STATES SS790	120.1	18.2	85.5	3.1
PRAIRIE STREAM SX702	119.0	17.6	84.5	9.2
AGRIGOLD A-6720	118.7	19.1	85.5	2.4
PIONEER BRAND 3180	118.5	18.2	86.4	3.3
CROW'S 682	118.2	17.3	81.7	3.9
HYPERFORMER HS9773	118.2	17.5	82.7	7.7
CALLAHAN C776	117.8	18.7	87.6	3.2
COLBERT 324	117.0	18.6	87.4	1.7
DEKALB DK677	116.7	18.2	87.6	2.4
FUNK'S G-4666	116.5	18.8	85.3	3.1
CROW'S 670	116.4	18.8	81.8	5.3
AGRATECH 825	115.4	18.9	87.2	2.0
SO. CROSS 711	115.3	17.7	83.8	3.0

Table 5. — Two-Year Summary, All Non-Virus Locations, 1991-1990 *continued*

BRAND/HYBRID	YIELD BU/AC 90-91	AVG % MOIST 90-91	AVG % STAND 90-91	TOT % LODGED 90-91
YELLOW HYBRIDS				
DEKALB DK689	114.7	19.2	83.4	6.2
TERRA SEEDS TR1190	114.7	18.9	82.7	5.1
BECK'S 81X	114.5	18.4	83.3	1.1
PIONEER BRAND 3142	114.4	18.9	84.1	5.6
TERRA SEEDS TR1170	114.1	18.8	80.6	2.5
CAVERNDALE FM. CF950	113.9	18.9	82.2	3.7
FR27 X M017	113.6	17.7	80.6	5.5
SCOTT SEED LR3350	112.9	18.6	82.7	2.3
FR27 X PA91	112.8	20.1	86.2	6.5
SO. CROSS 611	112.7	17.7	79.9	8.8
CAVERNDALE FM. CF975	112.5	19.0	85.2	4.1
SCOTT SEED LR5241	111.5	18.4	82.0	4.5
SO. CROSS 411	111.4	18.1	84.1	1.5
CROW'S 669	111.4	18.8	84.6	3.8
CAVERNDALE FM. CF925	111.1	18.2	80.9	1.6
STEWART HYBRIDS S-8815	110.5	20.0	84.5	3.1
GLICK SEED GH82X	109.3	18.8	80.3	5.0
SO. CROSS 511	108.3	18.5	80.4	4.2
HYPERFORMER HS97	104.1	18.4	85.4	4.5
FR27 X LH38	97.0	16.5	77.2	3.9
YELLOW AVERAGE	118.0	18.6	84.4	3.9
WHITE HYBRIDS				
SO. STATES SS917W	115.5	20.4	85.5	6.4
NOBLEBEAR NBX720W	113.9	18.5	81.3	4.5
CARGILL 9400W	113.5	20.7	87.1	5.5
GARST SEED SC-W707	112.4	20.6	85.5	4.5
ZIMMERMAN Z61W	112.1	18.5	82.8	3.3
AGRIGOLD A-6796W	110.5	20.8	89.5	5.2
ASGROW RX956W	107.5	20.9	87.4	4.4
NORTHRUP-KING N8565W	106.2	21.7	85.8	3.0
PIONEER BRAND 3144W	104.8	18.5	80.8	5.4
GARST SEED SC-W700	99.8	20.7	81.6	9.0
WHITE AVERAGE	109.6	20.1	84.7	5.1
GRAND AVERAGE	116.8	18.8	84.4	4.1
LSD (0.10)	6.5	0.5	2.6	1.3

Table 6. — Three-Year Summary, Six Non-Virus Locations, 1989-1991

BRAND/HYBRID	YIELD BU/AC 89-91	AVG % MOIST 89-91	AVG % STAND 89-91	TOT % LODGED 89-91
YELLOW HYBRIDS				
BECK'S 72X	143.1	18.1	84.7	7.9
PIONEER BRAND 3295	142.0	18.1	83.7	2.8
PIONEER BRAND 3140	141.0	18.7	82.3	3.8
CARGILL 9027	140.0	19.9	85.4	2.5
COLBERT 326	139.5	18.7	85.1	4.7
ZIMMERMAN Z27	139.2	19.1	84.7	4.3
NORTHRUP-KING N8727	138.9	20.5	84.9	2.1
GARST SEED 8315	138.8	18.9	84.6	5.4
ASGROW RX908	138.1	19.1	83.3	4.6
ADLERS 6130	137.5	18.3	84.4	3.2
DEKALB DK677	137.3	18.7	87.1	2.0
PRAIRIE STREAM SX702	137.0	17.9	84.2	8.6
GARST SEED 8250	136.7	18.9	86.3	1.3
MCCURDY 7777	136.6	19.5	79.6	4.9
ASGROW RX947	136.6	20.8	82.2	4.0
JACQUES 8210	136.3	19.5	86.0	3.0
BO-JAC 905	134.2	19.2	82.4	2.2
AGRIGOLD A-6720	134.0	19.5	86.4	2.0
MCCURDY 7477	133.4	19.0	84.8	1.9
CROW'S 670	131.9	19.1	80.0	4.7
TERRA SEEDS TR1180	131.4	19.2	84.1	2.6
FR27 X PA91	131.3	20.6	84.2	5.9
CAVERNDALE FM. CF950	130.3	19.8	81.4	3.6
FUNK'S G-4666	130.1	19.3	85.1	2.6
SO. CROSS 611	129.8	18.2	78.5	9.1
AGRATECH 825	129.5	19.4	85.5	1.7
DEKALB DK689	129.4	19.4	81.0	5.2
FR27 X M017	128.7	18.3	80.3	4.9
CROW'S 688	128.6	19.0	79.1	4.8
TERRA SEEDS TR1170	128.0	19.3	81.2	2.3
GLICK SEED GH82X	127.0	19.3	81.9	4.7
TERRA SEEDS TR1190	126.4	19.2	80.0	3.9
STEWART HYBRIDS S-8815	126.1	20.0	83.9	2.7
PIONEER BRAND 3165	124.8	19.3	81.3	3.2
SCOTT SEED LR5241	124.5	18.7	80.9	4.2
CAVERNDALE FM. CF925	124.1	18.6	80.9	1.4
SO. CROSS 411	123.1	18.3	83.1	1.4
CROW'S 669	122.7	19.3	82.3	3.2
HYPERFORMER HS97	119.5	19.0	84.4	4.3
SO. CROSS 511	118.4	19.0	77.3	4.0
FR27 X LH38	107.9	16.9	76.2	3.6
YELLOW AVERAGE	131.6	19.1	82.8	3.8
WHITE HYBRIDS				
SO. STATES SS917W	131.7	21.2	84.9	5.6
PIONEER BRAND 3144W	128.5	18.9	80.6	5.5
AGRIGOLD A-6796W	125.8	20.9	87.1	4.8
ASGROW RX956W	125.3	21.2	85.2	4.4
GARST SEED SC-W700	118.0	21.1	80.3	7.3
WHITE AVERAGE	125.8	20.7	83.6	5.5
GRAND AVERAGE	130.9	19.2	82.9	4.0
LSD (0.10)	5.8	0.4	2.3	1.3

Table 7. — Corn Virus Test, Frankfort

BRAND/HYBRID	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS					
DEKALB DK743		163.1	21.7	90.3	1.0
ASGROW RX919	120.5	158.1	22.2	94.0	1.0
ASGROW X9231		157.7	23.5	93.1	0.5
DEKALB DK643	106.3	157.0	20.0	90.7	1.0
DEKALB DK689	114.4	150.5	22.4	94.0	0.5
DEKALB DK649	102.8	150.2	20.6	93.1	0.5
TERRA SEEDS TR1190		149.8	20.8	92.6	0.0
FUNK'S G-4671		149.2	19.9	90.7	0.5
BECK'S 87MDM		148.6	24.2	93.5	0.5
NORTHRUP-KING S8645	103.6	146.8	21.1	90.7	1.1
JACQUES 8250	112.2	146.1	21.8	88.9	1.6
HYPERFORMER HS9911	103.5	144.9	20.8	92.6	1.4
BO-JAC 905	100.3	142.0	22.9	94.9	0.5
CAVERNDALE FM. CF900	105.6	138.2	20.6	85.2	1.1
TERRA SEEDS TR1180	98.1	136.2	22.5	94.0	1.5
HUBNER SEED H3717	93.3	131.6	22.3	89.4	0.0
PIONEER BRAND 3154	106.6	130.6	22.1	88.0	1.6
FUNK'S G-4680	96.4	128.6	21.8	91.2	1.5
BECK'S 85MDM	90.0	126.7	24.8	95.8	1.4
HYPERFORMER HS 97A		126.3	19.2	92.6	1.5
CARGILL 8527	92.4	125.7	22.5	88.4	0.0
PIONEER BRAND X0726		125.0	21.3	88.4	1.0
ZIMMERMAN Z35	87.3	123.2	20.2	76.9	0.0
JACQUES 8288		120.8	24.2	88.9	0.0
HUBNER SEED H3519	96.6	120.4	24.4	90.7	2.0
SO. STATES EXP 45240-V		120.1	25.5	90.7	2.0
AGRATECH 9200	92.6	119.3	24.7	92.6	0.0
AGRATECH 9250	95.2	118.2	24.5	89.8	0.0
CHECK HYBRID YELLOW	85.1	117.6	18.5	89.8	2.6
AGRATECH 888	90.0	116.5	21.2	87.5	1.4
GARST SEED 8180	83.4	115.3	21.6	88.4	0.5
SO. STATES SS844V	94.8	114.9	23.2	89.8	1.0
PIONEER BRAND 3147	94.0	114.8	23.9	93.1	2.0
FUNK'S G-4820		113.9	26.7	91.7	1.0
HUBNER SEED H3318	80.1	113.2	22.5	81.9	0.0
MCCURDY 7777	83.7	112.8	21.6	94.9	3.0
BALDRIDGE BH-630		112.2	23.2	86.1	2.1
SCOTT SEED LR5272	80.7	111.8	25.7	92.1	1.0
AGRATECH 891	82.2	103.0	24.9	89.4	1.1
AGRATECH 9251	72.3	100.2	25.5	87.0	2.7
JACQUES 9220	82.0	96.4	22.2	89.8	1.5
CROW'S 675	66.9	85.3	22.8	88.9	0.6
GARST SEED SB-1860	63.1	72.1	24.7	83.3	0.0
CROW'S 675	66.9	85.3	22.8	88.9	0.6
GARST SEED SB-1860	63.1	72.1	24.7	83.3	0.0
YELLOW AVERAGE	93.0	126.9	22.6	90.1	1.0
WHITE HYBRIDS					
CHECK HYBRID WHITE	104.2	129.4	23.0	89.8	1.6
PIONEER BRAND 3281W		103.9	21.6	92.1	1.1
AGRIGOLD A-6796W	82.5	99.2	22.3	92.6	0.5
WHITE AVERAGE	93.3	110.8	22.3	91.5	1.1
GRAND AVERAGE	93.0	124.6	22.6	90.3	1.0
LSD (0.10)	16.3	28.0	2.2	7.1	1.9
C.V.		16.8	7.4	5.9	138.2

Table 8. — Annual Summary, Benton

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
DEKALB DK743			191.4	14.6	83.3	1.1
ADLERS 7905			186.4	14.6	88.0	0.0
GARST SEED 8250	137.5	137.5	185.1	14.4	77.3	0.6
STEWART HYBRIDS S-9213			183.9	14.0	92.6	0.0
BECK'S 72X	129.6	131.8	180.8	13.7	83.8	2.8
PIONEER BRAND 3154		138.7	180.8	14.4	81.9	0.6
BO-JAC 9250		135.8	180.0	13.4	87.5	0.6
CARGILL 7997			178.5	15.0	91.7	0.5
PIONEER BRAND 3180		136.8	177.8	13.2	84.3	1.7
DEKALB DK643		131.2	177.6	12.9	86.1	0.6
GARST SEED 8315	134.3	130.3	175.9	14.5	87.5	0.5
AGRATECH 6902			175.8	14.4	79.6	0.5
CARGILL 8427		134.4	175.0	14.7	90.3	0.0
AGRI GOLD A-6715		123.7	174.3	13.4	87.0	0.0
NORTHRUP-KING N8727	137.0	132.9	174.1	15.3	82.9	2.4
NORTHRUP-KING N7816			173.8	14.0	87.5	0.5
HUBNER SEED H3318			173.6	15.3	88.9	0.0
DEKALB DK689	132.2	129.6	173.5	13.9	83.3	0.0
DEKALB DK715		125.7	172.8	14.7	78.7	0.0
STEWART HYBRIDS S-8815	123.1	118.5	172.4	14.4	83.3	0.0
AGRIGOLD A-6690			171.7	13.7	90.7	0.0
DEKALB DK677	124.1	125.6	170.3	14.1	89.8	0.5
UAP DYNA-GRO 5561			169.8	13.9	87.5	0.0
TERRA SEEDS TR1190	122.7	123.6	169.5	14.4	80.1	1.1
NORTHRUP-KING S8505			169.3	16.7	77.8	1.2
ZIMMERMAN Z27	136.7	130.1	168.8	13.2	81.0	0.6
ASGROW RX908	121.4	120.4	168.3	14.7	81.9	0.5
SCOTT SEED LR 3359			168.2	14.0	91.2	0.0
ASGROW RX919			167.2	14.5	78.2	0.6
PIONEER BRAND 3295	120.2	122.9	166.7	14.1	79.2	0.0
BECK'S 68X			166.3	14.1	78.2	0.0
COLBERT 326	131.2	128.2	166.1	14.2	91.2	0.0
CROW'S 682		120.0	165.5	14.2	87.5	1.1
FUNK'S G-4651			164.2	15.1	89.4	0.6
BO-JAC 905	126.1	126.1	164.1	13.7	85.2	0.6
JACQUES 7970			162.9	13.9	84.7	1.1
GLICK SEED GH82X	123.1	122.1	161.5	15.6	85.2	0.0
MCCURDY 7777	130.0	128.2	161.3	14.6	78.7	0.6
PRAIRIE STREAM SX565			161.2	14.0	86.6	1.0
MCCURDY 7400			160.8	13.5	81.5	0.6
GARST SEED 8105			160.6	17.8	82.4	1.1
STINE 1091			160.3	13.2	83.8	0.0
BALDRIDGE BH-575			159.8	14.3	91.7	0.0
UAP DYNA-GRO 5655			159.7	13.9	78.7	0.5
PIONEER BRAND 3394			159.5	13.5	86.1	1.2
CALLAHAN C776		127.4	159.4	14.9	90.3	5.0
FUNK'S G-4671			159.4	14.2	85.2	0.0
CALLAHAN C783			159.3	14.2	85.6	0.0
PRAIRIE STREAM SX702	122.3	119.5	159.2	13.2	80.6	0.0
SCOTT SEED LR5241	120.4	110.5	158.9	15.2	88.4	1.6
PIONEER BRAND 3165	109.9	111.1	158.6	16.2	73.6	0.0
COLBERT 324		120.5	158.2	14.1	84.3	0.5
PIONEER BRAND 3140	129.2	118.8	157.9	13.9	79.2	0.6
AGRIGOLD A-6720	120.0	113.9	157.5	16.9	82.9	0.0
ASGROW RX811			156.5	14.2	83.8	6.5
SO. STATES SS812			155.8	13.2	76.9	0.0
BO-JAC 6295			155.3	13.8	83.3	0.0
TERRA SEEDS TR1170	128.1	119.6	154.1	14.8	82.4	0.0
NORTHRUP-KING N8318			154.0	14.2	81.9	2.6
ASGROW RX899			153.3	13.7	84.3	0.0
CAVERNDALE FM. CF975		118.4	153.2	14.1	91.7	0.5
SO. STATES SS793		125.1	152.9	13.7	80.1	0.0
STINE 1161			152.9	14.0	80.1	0.0
CROW'S 669	118.7	113.8	152.7	17.2	87.0	1.1
AGRATECH 787			152.6	13.4	84.3	1.1
GLICK SEED GH760			151.3	15.3	84.3	0.0
GLICK SEED GH796			151.0	14.3	83.8	0.6
SCOTT SEED LR 3347			149.9	13.1	82.9	0.0
CALLAHAN C775			149.3	14.3	87.0	0.0
HUBNER SEED H3717		108.1	148.5	13.7	81.9	0.0
ASGROW RX947	116.8	112.9	148.2	13.9	82.9	0.0

Table 8. — Annual Summary, Benton *continued*

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
COLBERT 230			147.7	13.0	85.6	0.5
HYPERFORMER HS97	109.5	100.5	147.4	15.3	88.0	0.5
JACQUES 8210	119.1	113.1	147.3	14.4	90.7	1.0
SO. CROSS 711		111.5	146.9	13.4	92.1	0.0
HUBNER SEED H3715			146.8	14.3	88.9	1.5
AGRATECH 825	119.6	113.0	146.8	15.9	89.8	1.1
FUNK'S G-4631			145.2	14.2	82.9	0.0
ADLERS 6130	128.0	117.0	144.5	14.2	85.6	3.2
CARGILL 9027	131.9	122.5	144.0	14.7	82.9	0.0
CAVERNDALE FM. CF950	118.0	113.2	143.7	14.7	81.0	3.3
GLICK SEED GH801			143.7	14.1	88.0	0.5
GARST SEED 8316			143.5	13.6	89.8	2.0
AGRATECH 757			143.3	13.8	73.6	2.0
NORTHRUP-KING PX9540			143.1	14.3	78.7	0.0
HYPERFORMER HS9773		114.0	142.8	12.5	78.2	2.3
JACQUES 8410			142.0	15.8	85.6	0.0
COLBERT 318			141.6	13.6	83.8	0.6
PIONEER BRAND 3142		109.8	141.2	12.5	86.6	1.6
UAP DYNA-GRO 5671			140.8	13.7	79.6	0.0
PIONEER BRAND 3245			140.7	13.7	84.7	1.6
FR27 X LH38	99.5	106.0	139.5	13.1	77.8	0.0
TERRA SEEDS TR1180	120.0	110.1	139.0	13.5	88.0	0.5
SCOTT SEED LR3350		110.7	138.9	14.1	82.9	0.0
SO. CROSS 411	116.5	114.1	138.4	13.9	85.6	0.0
SO. CROSS 511	109.6	107.2	137.5	15.1	75.9	0.6
SO. CROSS 611	115.9	109.9	137.4	13.5	79.2	1.7
SO. STATES SS790		112.4	136.3	13.2	81.0	0.5
CAVERNDALE FM. CF925	120.0	107.2	135.0	13.5	69.0	0.0
CROW'S 688	116.3	116.4	134.0	16.5	76.9	0.0
CROW'S 670	109.6	103.7	132.9	13.7	82.9	0.6
TERRA SEEDS TR3400			132.6	13.4	78.2	0.5
HYPERFORMER HS 9704			130.8	14.9	74.1	1.9
BECK'S 81X		108.6	130.3	14.2	86.6	0.0
FR27 X PA91	112.7	97.7	130.1	14.1	84.3	3.2
AGRATECH 6610			129.8	13.5	81.5	0.0
STEWART HYBRIDS S-9212			127.4	13.7	82.4	0.6
STINE 1225			122.9	16.6	76.9	1.6
FUNK'S G-4666	108.2	102.1	122.4	13.0	83.8	0.6
FR27 X M017	121.8	108.9	115.3	12.3	77.8	0.6
AGRATECH 6640			113.5	13.5	79.2	0.0
STINE 1181			109.1	13.6	78.2	0.0
MCCURDY 7477	103.4	93.6	108.9	15.3	81.5	0.5
YELLOW AVERAGE	121.3	118.3	154.3	14.2	83.6	0.7
WHITE HYBRIDS						
ZIMMERMAN Z63W			188.0	15.5	89.8	1.1
ZIMMERMAN Z61W		124.6	177.8	14.3	88.0	0.0
PIONEER BRAND 3281W			177.1	14.8	85.2	0.5
SO. STATES SS917W	125.0	119.0	166.5	16.2	81.9	2.6
VINEYARD SEED V-68W			165.1	15.8	84.3	1.1
GARST SEED SC-W707		121.1	165.0	15.3	79.2	0.0
VINEYARD SEED V-58W			162.2	14.8	79.6	0.0
NORTHRUP-KING N8565W		117.3	158.8	17.4	87.0	0.0
AGRIGOLD A-6796W	120.2	116.4	158.0	15.9	81.9	3.6
HUBNER SEED H8819W			155.5	16.6	83.8	1.7
NOBLE BEAR NB 747W			151.0	13.9	76.4	0.6
ZIMMERMAN Z16W			140.6	14.0	86.6	2.0
NOBLEBEAR NBX720W		106.8	140.0	14.3	75.0	0.5
PIONEER BRAND 3144W	118.6	112.1	139.8	13.5	72.7	0.0
CARGILL 9400W		108.0	136.7	16.9	82.4	4.0
NOBLE BEAR NB 739W			129.8	14.3	79.6	0.0
ASGROW RX956W	108.5	106.0	126.5	16.5	83.8	3.7
GARST SEED SC-W700	105.8	96.6	125.6	15.6	69.0	0.7
DEKALB DK703W			122.4	14.9	79.6	1.1
WHITE AVERAGE	115.6	112.8	151.9	15.3	81.4	1.2
GRAND AVERAGE	120.7	117.5	153.9	14.4	83.2	0.8
LSD (0.10)	14.4	18.4	32.4	1.5	8.1	2.4
C.V.			15.7	7.9	7.3	229.1

Table 9. — Annual Summary, Princeton

BRAND/HYBRID	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS					
SO. STATES SS793	112.0	121.9	13.1	93.5	2.0
GLICK SEED GH801		121.0	12.4	93.5	0.5
ADLERS 7905		118.5	12.8	91.7	0.0
BO-JAC 905	108.9	118.3	13.4	83.8	1.7
MCCURDY 7777	114.1	118.2	12.6	81.0	1.1
MCCURDY 7477	120.4	117.4	13.5	91.7	3.0
DEKALB DK715	106.4	116.5	13.7	93.5	0.5
DEKALB DK643	121.6	114.7	12.6	83.8	1.7
UAP DYNA-GRO 5671		114.5	13.1	88.4	1.6
DEKALB DK743		114.2	13.7	88.9	6.2
ZIMMERMAN Z27	120.3	113.3	12.6	86.1	1.7
CROW'S 688	119.8	112.5	13.4	87.5	5.3
SCOTT SEED LR3350	106.0	112.4	12.8	88.0	0.0
NORTHRUP-KING PX9540		112.0	13.2	90.7	1.5
COLBERT 324	114.9	111.2	13.0	99.5	2.9
PIONEER BRAND 3154	120.3	110.7	13.4	82.4	6.2
STEWART HYBRIDS S-9213		110.0	12.3	92.6	0.5
TERRA SEEDS TR1180	118.9	109.7	12.8	86.6	0.0
SO. CROSS 411	102.6	108.4	13.0	81.5	0.6
ADLERS 6130	117.5	108.2	13.1	85.2	0.5
HYPERFORMER HS 9704		108.1	12.6	76.9	1.8
COLBERT 326	123.0	108.0	13.3	88.9	2.5
ASGROW RX811		107.0	13.0	86.1	1.0
FUNK'S G-4651		106.8	13.5	88.9	0.0
AGRI GOLD A-6715	121.1	106.6	12.7	93.1	1.5
BO-JAC 6295		106.2	12.7	87.0	1.6
GARST SEED 8315	117.3	105.9	12.4	84.7	1.6
STEWART HYBRIDS S-8815	103.5	105.1	14.0	88.9	2.0
STINE 1181		104.8	12.5	85.6	1.7
FUNK'S G-4666	109.9	104.5	13.4	81.0	1.2
FR27 X MO17	118.5	104.3	12.5	78.2	1.6
AGRATECH 6610		103.9	12.3	88.0	2.6
AGRIGOLD A-6690		103.6	12.4	86.1	1.1
SO. STATES SS790	94.3	103.3	13.3	88.9	2.1
ASGROW RX919		103.3	12.7	83.8	1.6
HUBNER SEED H3318		103.3	12.7	88.9	0.5
GLICK SEED GH82X	102.9	102.9	12.9	85.2	2.9
ASGROW RX899		102.7	12.5	84.3	1.6
UAP DYNA-GRO 5561		102.7	13.0	88.4	0.6
PIONEER BRAND 3295	108.6	101.9	12.3	85.6	1.1
ASGROW RX947	108.4	101.8	13.4	90.3	1.6
COLBERT 230		101.6	11.8	88.0	3.8
HUBNER SEED H3717	111.0	101.3	12.6	88.9	1.0
PIONEER BRAND 3140	106.1	101.3	12.8	81.5	0.6
TERRA SEEDS TR1170	105.3	101.1	13.5	84.3	1.1
JACQUES 7970		101.1	13.3	90.7	2.0
GLICK SEED GH796		101.0	13.2	81.9	3.4
CAVERNDALE FM. CF975	115.7	100.7	13.1	89.8	2.1
MCCURDY 7400		100.7	12.6	88.0	0.5
CROW'S 682	108.3	100.5	12.7	82.4	2.7
AGRATECH 787		100.4	12.7	90.3	2.0
CARGILL 7997		100.1	13.5	89.8	2.1
CROW'S 669	99.2	100.1	13.6	88.4	1.6
TERRA SEEDS TR3400		99.9	13.1	84.7	1.6
CALLAHAN C776	105.8	99.8	13.6	87.0	2.1
TERRA SEEDS TR1190	105.8	99.2	12.6	84.7	3.3
AGRIGOLD A-6720	108.6	99.2	12.9	86.1	1.5
PIONEER BRAND 3394		99.2	12.2	81.5	1.7
BO-JAC 9250	114.5	99.2	13.1	92.1	1.0
JACQUES 8210	112.3	99.2	13.1	88.4	1.0
GARST SEED 8105		99.2	13.5	90.3	5.6
CALLAHAN C775		99.0	13.2	88.0	1.6
STINE 1161		99.0	12.6	82.4	1.1
AGRATECH 6902		98.9	12.2	81.0	1.6
FUNK'S G-4671		98.8	12.9	89.8	1.0
PIONEER BRAND 3165	114.0	98.7	13.5	80.6	1.2
CARGILL 8427	109.3	98.7	13.2	88.4	2.2
AGRATECH 6640		98.2	12.7	88.0	1.6
SCOTT SEED LR 3359		97.8	12.7	86.1	1.1
UAP DYNA-GRO 5655		97.3	13.2	91.2	2.5
CAVERNDALE FM. CF925	109.2	97.0	13.0	79.6	2.3

Table 9. — Annual Summary, Princeton *continued*

BRAND/HYBRID	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS					
SCOTT SEED LR5241	110.4	96.9	12.8	81.9	4.0
NORTHRUP-KING S8505		96.6	13.3	78.2	1.7
PIONEER BRAND 3142	95.6	96.3	12.8	88.0	2.1
FR27 X LH38	92.8	95.4	12.2	77.8	2.4
DEKALB DK689	98.8	95.4	12.5	88.4	2.6
NORTHRUP-KING N7816		95.2	13.0	84.3	0.0
PIONEER BRAND 3245		94.7	12.5	86.1	3.2
PIONEER BRAND 3180	106.6	94.5	12.4	84.3	1.1
STINE 1225		94.1	14.7	77.8	1.8
PRAIRIE STREAM SX702	100.9	94.0	12.7	79.6	4.1
FR27 X PA91	106.7	93.5	13.4	87.5	2.0
BECK'S 72X	95.1	93.0	13.7	85.2	2.8
COLBERT 318		93.0	12.7	88.9	0.5
BECK'S 68X		93.0	12.7	90.7	3.1
GLICK SEED GH760		92.9	12.1	88.0	1.6
STINE 1091		92.9	11.9	85.2	1.1
AGRATECH 757		92.7	13.1	87.5	3.2
HYPERFORMER HS97	99.2	92.6	12.9	88.0	0.5
ASGROW RX908	104.4	92.3	13.0	80.6	1.8
SO. CROSS 611	89.5	92.1	12.2	81.9	4.6
HYPERFORMER HS9773	103.7	91.5	12.4	78.7	4.2
BECK'S 81X	104.2	91.1	12.4	93.1	1.0
NORTHRUP-KING N8727	95.9	90.8	13.8	86.6	2.8
STEWART HYBRIDS S-9212		90.8	12.7	88.0	1.6
GARST SEED 8316		90.4	12.7	86.6	2.7
CALLAHAN C783		90.1	13.1	87.0	1.6
AGRATECH 825	95.6	89.8	12.9	90.3	4.0
FUNK'S G-4631		89.4	13.4	87.5	0.5
GARST SEED 8250	102.0	88.7	13.1	88.9	1.6
PRAIRIE STREAM SX565		88.1	13.0	88.0	2.6
SO. CROSS 711	103.7	87.5	12.5	78.2	1.8
CROW'S 670	95.2	87.4	12.5	85.6	2.7
SCOTT SEED LR 3347		87.2	11.7	73.6	1.9
CARGILL 9027	99.5	87.0	13.2	83.3	2.2
NORTHRUP-KING N8318		85.0	12.5	84.7	2.2
SO. CROSS 511	104.4	84.6	13.3	73.1	0.0
HUBNER SEED H3715		83.1	12.8	81.9	0.5
SO. STATES SS812		82.9	12.3	89.4	0.0
CAVERNDALE FM. CF950	93.2	82.5	12.9	86.6	0.5
JACQUES 8410		81.0	13.5	92.1	2.5
DEKALB DK677	82.6	78.6	12.6	86.6	1.0
BALDRIDGE BH-575		67.9	12.6	82.9	3.5
YELLOW AVERAGE	106.9	99.5	12.9	86.2	1.9
WHITE HYBRIDS					
SO. STATES SS917W	114.3	109.1	14.5	86.6	2.7
GARST SEED SC-W700	100.1	99.4	13.9	75.5	1.8
VINEYARD SEED V-68W		98.4	13.6	91.2	2.6
DEKALB DK703W		96.7	13.3	84.3	0.0
VINEYARD SEED V-58W		94.3	13.3	88.4	1.5
ZIMMERMAN Z63W		92.6	13.1	93.5	1.5
PIONEER BRAND 3281W		92.0	13.0	90.3	1.5
CARGILL 9400W	106.2	91.9	15.0	87.5	2.2
HUBNER SEED H8819W		87.1	14.4	90.7	2.6
ZIMMERMAN Z61W	103.0	86.8	13.5	90.3	0.5
ASGROW RX956W	93.6	86.8	14.8	89.8	3.2
NOBLEBEAR NBX720W	95.4	86.5	13.0	86.6	0.5
AGRIGOLD A-6796W	90.4	85.9	14.6	89.4	2.1
NORTHRUP-KING N8565W	87.8	85.5	14.4	88.4	0.6
GARST SEED SC-W707	87.1	83.4	14.3	90.3	1.0
ZIMMERMAN Z16W		83.0	14.1	91.7	1.5
NOBLE BEAR NB 747W		82.5	12.2	71.3	3.2
NOBLE BEAR NB 739W		80.3	12.1	87.0	2.1
PIONEER BRAND 3144W	77.5	67.4	13.2	78.2	1.7
WHITE AVERAGE	95.5	88.9	13.7	86.9	1.7
GRAND AVERAGE	105.3	98.0	13.0	86.3	1.9
LSD (0.10)	21.0	17.9	0.8	6.6	2.6
C.V.		13.6	4.6	5.7	103.1

Table 10. — Annual Summary, Owensboro

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
STINE 1225			143.0	18.6	87.0	7.1
GLICK SEED GH801			142.2	15.6	87.5	6.6
SO. STATES SS790		141.5	139.9	15.1	94.9	2.8
MCCURDY 7400			137.6	14.7	89.8	6.3
ZIMMERMAN Z27	135.0	140.3	137.4	13.9	92.1	13.6
BECK'S 72X	157.2	146.1	136.3	14.0	93.5	13.3
SO. STATES SS793		135.7	134.8	15.2	93.5	8.3
HUBNER SEED H3717		134.2	134.5	15.3	94.9	6.4
DEKALB DK743			133.9	16.3	89.8	39.5
AGRIGOLD A-6690			133.6	14.8	94.0	5.4
PIONEER BRAND 3154		132.6	133.4	17.6	87.0	21.6
PIONEER BRAND 3295	165.3	146.1	133.4	13.6	91.2	8.0
AGRATECH 787			132.6	16.4	92.6	4.5
ADLERS 7905			132.5	15.2	92.6	2.5
NORTHRUP-KING N8318			132.1	15.8	93.5	4.0
NORTHRUP-KING N8727	147.5	131.3	132.0	18.5	95.4	3.9
ADLERS 6130	154.7	145.5	131.9	14.1	92.1	5.7
CARGILL 8427		137.9	131.0	17.3	93.1	3.5
NORTHRUP-KING PX9540			130.7	14.7	92.6	3.5
CROW'S 669	139.1	134.8	130.1	16.6	94.0	4.0
MCCURDY 7477	143.6	132.9	130.0	16.1	91.7	10.1
CARGILL 9027	154.7	143.3	129.4	16.8	88.0	9.7
TERRA SEEDS TR1180	150.0	142.6	129.2	16.3	94.0	9.9
JACQUES 8210	143.5	127.0	129.1	16.5	89.8	4.6
CALLAHAN C776		132.1	127.9	15.4	93.5	3.9
PIONEER BRAND 3394			127.5	12.9	90.7	12.8
AGRIGOLD A-6720	146.7	131.7	127.4	16.2	96.8	0.5
SCOTT SEED LR 3347			127.3	14.1	92.1	1.1
BO-JAC 6295			127.2	15.4	90.7	3.6
STEWART HYBRIDS S-9213			127.2	14.6	93.5	4.1
AGRI GOLD A-6715		135.0	127.1	13.2	94.9	2.4
COLBERT 230			127.1	13.3	93.5	6.9
CARGILL 7997			126.8	14.8	97.7	9.1
BO-JAC 905	149.6	134.7	126.6	16.8	93.1	7.1
COLBERT 326	158.0	135.6	126.5	14.5	94.4	9.2
COLBERT 318			126.3	15.4	90.3	1.5
STINE 1091			125.9	12.9	88.0	5.2
UAP DYNA-GRO 5671			125.7	16.1	95.8	7.1
CROW'S 688	142.0	134.5	125.4	15.5	89.4	13.1
AGRATECH 825	137.8	126.6	125.3	17.0	95.4	2.8
ASGROW RX919			124.8	17.0	82.9	27.5
STINE 1181			124.6	14.7	90.7	4.1
GARST SEED 8105			124.2	19.2	88.9	3.7
NORTHRUP-KING S8505			124.1	16.0	91.7	21.7
BECK'S 68X			124.1	14.4	92.6	2.0
TERRA SEEDS TR3400			123.4	14.4	83.8	6.0
HYPERFORMER HS9773		127.6	123.2	14.0	88.9	10.6
UAP DYNA-GRO 5655			123.2	15.7	88.0	2.5
MCCURDY 7777	143.9	130.2	121.8	17.8	89.4	19.1
PIONEER BRAND 3165	133.4	131.2	121.8	16.8	92.1	10.1
PIONEER BRAND 3140	148.3	132.1	121.4	15.1	89.4	14.0
STEWART HYBRIDS S-8815	138.0	125.1	120.7	16.9	90.7	6.6
FUNK'S G-4651			119.9	15.7	90.3	2.6
JACQUES 7970			119.6	15.4	88.0	10.0
FUNK'S G-4631			119.3	16.6	90.7	11.0
PIONEER BRAND 3245			118.9	14.6	89.8	2.0
FUNK'S G-4671			118.5	16.0	90.3	15.3
TERRA SEEDS TR1170	136.0	122.3	118.3	15.4	90.3	1.6
BO-JAC 9250		129.6	118.2	15.1	95.4	2.9
CROW'S 682		126.9	118.0	13.4	88.9	4.1
CAVERNDALE FM. CF950	145.1	134.4	117.3	16.3	89.4	7.1
CAVERNDALE FM. CF975		119.7	116.8	17.4	92.1	16.7
DEKALB DK677	143.4	121.3	116.5	14.5	92.1	7.1
HYPERFORMER HS 9704			116.2	15.1	82.9	7.1
PIONEER BRAND 3142		123.1	115.9	15.1	90.3	12.0
DEKALB DK715		128.3	115.6	16.8	89.4	4.8
ASGROW RX899			115.0	14.8	94.9	2.0
CAVERNDALE FM. CF925	136.2	125.3	114.9	15.1	82.9	4.2
CROW'S 670	138.7	125.7	114.5	15.1	87.0	27.1
SO. STATES SS812			114.4	12.7	91.2	11.2
UAP DYNA-GRO 5561			113.7	14.5	93.5	4.0

Table 10. — Annual Summary, Owensboro *continued*

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
GLICK SEED GH82X	138.0	122.0	113.5	15.6	94.9	17.0
SCOTT SEED LR 3359			112.8	13.9	93.5	4.9
SCOTT SEED LR5241	127.8	113.3	112.4	14.6	88.0	8.9
DEKALB DK643		130.6	112.3	13.6	91.2	13.2
PRAIRIE STREAM SX702	152.9	133.1	112.3	13.6	88.4	26.1
NORTHRUP-KING N7816			112.2	14.4	92.1	3.6
FUNK'S G-4666	146.8	125.3	112.2	16.0	90.3	12.0
HUBNER SEED H3715			111.7	17.1	78.7	3.5
STEWART HYBRIDS S-9212			111.7	14.1	86.1	2.4
TERRA SEEDS TR1190	132.7	122.7	111.6	15.4	92.6	10.1
PIONEER BRAND 3180		125.7	111.3	14.6	92.1	10.4
SO. CROSS 711		126.9	111.2	14.2	92.1	11.9
SO. CROSS 411	130.3	112.6	111.0	15.3	88.9	1.5
GARST SEED 8316			110.9	14.9	92.6	24.5
DEKALB DK689	129.2	118.9	110.7	16.2	91.7	23.7
BECK'S 81X		124.1	110.4	14.3	90.3	2.6
GLICK SEED GH760			109.1	15.1	92.6	2.5
SCOTT SEED LR3350		123.2	108.2	14.2	90.3	4.2
AGRATECH 757			108.1	14.0	92.1	3.0
AGRATECH 6610			107.0	14.5	92.1	12.1
GARST SEED 8250	144.2	125.6	106.8	15.7	89.4	3.1
GLICK SEED GH796			106.5	14.9	88.0	11.7
STINE 1161			105.4	14.5	88.0	4.2
COLBERT 324		118.0	105.1	15.3	94.4	2.5
ASGROW RX947	156.0	140.0	104.8	15.8	87.0	16.3
SO. CROSS 611	132.4	117.1	104.5	14.4	89.8	27.0
CALLAHAN C783			104.5	16.4	91.7	16.6
HUBNER SEED H3318			104.4	14.1	95.4	2.4
FR27 X M017	138.0	122.9	104.1	15.0	87.5	16.6
ASGROW RX811			103.2	14.4	87.5	17.6
AGRATECH 6902			100.9	14.2	86.6	11.1
SO. CROSS 511	128.7	122.9	100.7	15.1	89.4	12.2
GARST SEED 8315	144.3	124.2	100.4	14.5	92.1	11.2
BALDRIDGE BH-575			100.2	14.9	91.7	8.5
HYPERFORMER HS97	123.7	108.9	99.5	16.1	89.8	23.5
CALLAHAN C775			97.0	16.0	92.1	5.1
JACQUES 8410			96.5	17.3	96.3	33.2
ASGROW RX908	142.6	120.6	95.3	13.7	88.0	18.6
PRAIRIE STREAM SX565			90.1	14.1	94.9	12.3
FR27 X LH38	117.6	104.0	88.5	13.2	84.3	11.5
AGRATECH 6640			86.2	15.6	93.5	18.3
FR27 X PA91	146.9	118.1	86.2	18.3	85.6	19.2
YELLOW AVERAGE	141.9	128.4	118.1	15.3	90.9	9.5
WHITE HYBRIDS						
CARGILL 9400W		124.1	119.2	18.2	89.8	25.2
SO. STATES SS917W	149.5	137.9	117.0	17.0	89.4	14.4
ZIMMERMAN Z61W		128.0	116.4	14.6	94.4	4.5
NORTHRUP-KING N8565W		118.7	114.4	20.0	86.6	6.5
AGRIGOLD A-6796W	145.5	124.4	114.0	18.3	92.6	7.9
GARST SEED SC-W707		117.9	111.3	16.4	89.4	20.5
VINEYARD SEED V-58W			108.6	15.9	90.3	17.7
ASGROW RX956W	142.1	124.4	108.3	18.5	88.9	10.9
PIONEER BRAND 3144W	145.3	118.0	107.8	16.3	83.3	17.9
NOBLEBEAR NBX720W		125.4	106.4	15.7	84.7	11.6
NOBLE BEAR NB 739W			106.2	16.6	88.0	15.3
VINEYARD SEED V-68W			105.8	17.4	93.5	14.2
PIONEER BRAND 3281W			103.4	15.1	94.0	8.9
ZIMMERMAN Z63W			102.8	16.8	88.4	18.3
HUBNER SEED H8819W			101.9	19.1	89.4	8.8
DEKALB DK703W			101.9	16.7	89.8	14.6
ZIMMERMAN Z16W			94.5	18.5	88.4	12.0
GARST SEED SC-W700	129.6	106.8	92.9	18.6	82.4	21.9
NOBLE BEAR NB 747W			89.8	16.2	78.2	13.2
WHITE AVERAGE	142.4	122.6	106.5	17.1	88.5	13.9
GRAND AVERAGE	142.0	127.6	116.4	15.6	90.5	10.2
LSD (0.10)	12.6	14.6	23.0	1.3	6.3	9.8
C.V.			14.7	6.1	5.2	71.8

Table 11. — Annual Summary, Franklin

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
JACQUES 7970			146.1	11.6	90.3	3.2
DEKALB DK715		109.5	140.1	12.4	82.9	1.6
MCCURDY 7477	110.7	102.4	138.3	12.3	87.0	4.1
SO. STATES SS793		90.8	129.9	11.6	88.9	3.1
SO. STATES SS790		99.2	129.8	12.1	85.6	1.6
FR27 X M017	105.9	98.8	129.5	11.6	78.7	4.7
UAP DYNA-GRO 5561			129.2	11.7	84.7	3.8
GLICK SEED GH760			127.9	11.7	83.8	2.7
BO-JAC 9250		92.0	126.5	11.9	88.4	3.6
JACQUES 8210	109.6	102.7	125.6	12.1	84.7	5.0
ADLERS 6130	105.5	97.3	124.3	11.5	89.4	8.3
NORTHRUP-KING S8505			124.0	11.3	84.3	6.6
CARGILL 8427		93.3	123.8	11.6	91.7	3.5
BECK'S 68X			123.5	12.0	90.3	3.6
HUBNER SEED H3715			121.0	11.7	84.3	6.1
BO-JAC 6295			120.7	12.3	77.8	8.2
COLBERT 318			120.1	11.9	88.0	1.6
STEWART HYBRIDS S-9213			119.5	11.4	88.0	3.7
HYPERFORMER HS 9704			118.9	11.0	74.5	1.9
DEKALB DK743			118.6	11.6	76.4	4.7
AGRI GOLD A-6715		87.4	117.9	11.7	82.9	2.3
JACQUES 8410			117.0	12.1	87.0	11.7
STEWART HYBRIDS S-9212			117.0	11.6	83.3	1.1
CAVERNDALE FM. CF975		84.6	116.4	11.8	81.9	5.1
HYPERFORMER HS9773		92.3	116.3	11.3	79.6	6.9
CROW'S 682		88.5	115.9	11.4	82.4	2.8
AGRATECH 787			115.9	11.6	69.9	7.4
COLBERT 230			115.4	11.3	88.0	5.7
AGRIGOLD A-6720	106.7	93.3	114.9	11.6	87.0	2.7
BECK'S 72X	110.3	96.0	114.4	11.2	87.0	5.8
BO-JAC 905	99.9	86.1	114.4	12.0	72.7	2.8
STINE 1181			114.3	11.3	78.7	1.9
ZIMMERMAN Z27	107.1	98.1	113.8	11.4	84.7	4.8
AGRIGOLD A-6690			113.6	11.6	83.8	2.7
TERRA SEEDS TR1170	96.1	91.0	113.5	12.0	78.7	1.8
ADLERS 7905			112.9	11.8	90.3	3.0
DEKALB DK677	101.3	92.3	112.7	12.0	91.7	4.6
BECK'S 81X		89.7	112.6	11.8	89.8	5.2
FUNK'S G-4651			112.4	11.7	86.6	2.2
NORTHRUP-KING N7816			112.4	12.3	78.7	1.5
NORTHRUP-KING PX9540			111.6	12.1	85.2	2.1
ASGROW RX811			111.3	11.7	79.6	4.7
SO. CROSS 511	97.7	90.4	110.9	11.7	78.2	2.3
NORTHRUP-KING N8318			110.7	10.7	91.7	2.0
SO. STATES SS812			110.5	11.3	89.4	2.6
CARGILL 7997			110.2	11.4	88.0	4.7
SCOTT SEED LR 3359			110.0	11.9	71.8	2.8
PIONEER BRAND 3245			109.7	11.7	89.8	5.2
AGRATECH 6610			109.5	11.0	78.2	2.4
SCOTT SEED LR 3347			109.5	11.4	79.2	4.7
ASGROW RX908	96.9	81.6	109.3	12.0	82.4	7.4
TERRA SEEDS TR1190	86.6	77.6	109.3	11.5	87.0	4.4
NORTHRUP-KING N8727	90.6	78.3	109.1	12.6	89.4	5.2
CROW'S 688	92.3	85.0	108.9	12.2	71.3	3.6
COLBERT 326	90.5	85.9	108.9	10.8	89.8	4.2
PIONEER BRAND 3154		95.5	108.6	11.9	76.4	10.2
ASGROW RX899			108.0	11.6	83.8	5.0
GLICK SEED GH801			107.2	11.5	85.2	2.7
TERRA SEEDS TR3400			107.1	11.7	84.3	4.8
PRAIRIE STREAM SX565			106.9	11.6	81.9	3.3
PIONEER BRAND 3165	84.2	86.4	106.7	12.2	82.9	6.1
MCCURDY 7777	97.3	82.5	106.4	12.0	74.5	5.2
HUBNER SEED H3717		81.0	106.3	11.6	75.9	13.4
CARGILL 9027	106.9	84.6	105.9	12.3	85.2	3.9
SO. CROSS 611	85.3	86.9	105.8	11.1	86.1	8.6
PIONEER BRAND 3180		88.9	105.4	11.5	92.6	5.5
STINE 1161			105.0	11.7	71.3	2.6
PIONEER BRAND 3140	95.6	90.3	104.5	11.5	85.2	3.8
PIONEER BRAND 3394			104.4	11.3	84.3	2.1
SO. CROSS 711		81.8	104.2	11.8	87.5	3.8
ASGROW RX919			104.2	11.3	84.7	3.2

Table 11. — Annual Summary, Franklin *continued*

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
DEKALB DK689	95.3	83.3	103.9	11.3	80.6	1.6
GARST SEED 8105			103.8	12.5	84.7	3.8
FUNK'S G-4666	96.4	84.7	103.5	11.6	85.6	3.3
MCCURDY 7400			103.5	11.2	75.5	4.8
STINE 1225			103.1	13.1	83.3	4.6
UAP DYNA-GRO 5671			103.0	11.5	77.8	4.9
DEKALB DK643		85.3	102.5	10.9	76.4	5.4
STINE 1091			102.3	10.9	77.3	4.8
FUNK'S G-4631			101.2	12.1	86.1	3.3
GARST SEED 8315	100.2	82.5	100.9	10.8	81.0	5.6
FUNK'S G-4671			100.0	11.9	70.8	5.2
GARST SEED 8316			99.5	11.8	80.1	6.4
CALLAHAN C775			99.4	11.3	77.8	8.3
SCOTT SEED LR5241	92.8	83.6	99.2	11.0	86.1	6.6
GLICK SEED GH82X	99.2	84.4	99.2	11.5	75.0	12.6
BALDRIDGE BH-575			99.0	11.8	80.6	5.7
AGRATECH 6640			98.7	11.3	80.6	8.1
CROW'S 669	95.6	84.8	98.2	11.9	82.9	7.6
SO. CROSS 411	91.7	83.0	98.0	11.8	68.1	1.0
SCOTT SEED LR3350		76.4	97.7	11.5	81.9	1.6
CROW'S 670	86.7	77.3	97.7	11.7	80.6	7.2
FR27 X PA91	85.8	73.5	97.6	12.4	79.6	7.6
UAP DYNA-GRO 5655			96.9	12.6	82.4	4.4
TERRA SEEDS TR1180	87.2	78.2	96.8	11.5	90.3	3.4
AGRATECH 757			96.5	11.0	68.1	3.9
PIONEER BRAND 3295	89.0	78.9	95.3	11.6	74.1	3.1
HUBNER SEED H3318			95.1	11.5	84.7	7.9
CAVERNDALE FM. CF925	89.2	75.6	91.6	11.7	71.8	2.5
GLICK SEED GH796			91.6	12.0	80.1	2.6
STEWART HYBRIDS S-8815	94.7	79.4	91.2	11.6	81.9	1.7
ASGROW RX947	86.3	69.4	90.2	11.0	86.1	3.8
GARST SEED 8250	97.8	83.0	90.0	11.5	86.1	2.7
COLBERT 324		79.3	89.3	11.5	69.9	2.8
AGRATECH 825	88.2	77.6	89.2	11.9	86.6	3.7
CALLAHAN C776		76.8	88.3	11.5	84.3	5.3
PRAIRIE STREAM SX702	93.6	83.1	87.9	11.1	83.8	9.9
CALLAHAN C783			86.7	12.4	89.4	5.2
AGRATECH 6902			86.6	10.9	86.1	13.7
HYPERFORMER HS97	82.8	61.0	83.6	11.5	74.1	4.2
PIONEER BRAND 3142		70.8	82.9	11.5	74.1	3.1
FR27 X LH38	74.6	66.5	82.1	11.5	67.1	4.8
CAVERNDALE FM. CF950	91.0	77.2	75.1	7.7	72.2	6.5
YELLOW AVERAGE	95.0	85.3	107.8	11.6	82.1	4.6
WHITE HYBRIDS						
GARST SEED SC-W707		84.0	112.5	12.5	84.7	0.5
ZIMMERMAN Z63W			109.2	12.3	78.2	4.8
VINEYARD SEED V-58W			106.9	12.3	87.0	2.7
PIONEER BRAND 3281W			102.4	12.2	87.5	4.5
NOBLEBEAR NBX720W		87.4	101.0	12.2	76.4	5.4
DEKALB DK703W			100.6	11.9	85.2	2.3
ZIMMERMAN Z16W			99.8	12.2	86.6	4.8
CARGILL 9400W		82.4	98.2	13.2	88.0	12.3
SO. STATES SS917W	85.2	66.3	97.6	12.1	82.9	7.6
ASGROW RX956W	91.9	72.9	92.9	12.8	86.6	11.5
AGRIGOLD A-6796W	84.3	76.5	92.3	12.3	86.1	6.0
HUBNER SEED H8819W			88.0	12.0	83.3	12.2
NOBLE BEAR NB 739W			84.9	11.4	81.5	5.2
PIONEER BRAND 3144W	81.0	64.4	83.2	11.3	75.5	5.5
NOBLE BEAR NB 747W			82.2	11.5	62.0	9.0
VINEYARD SEED V-68W			82.0	12.8	82.4	5.6
ZIMMERMAN Z61W		65.6	80.4	11.4	75.9	5.7
NORTHRUP-KING N8565W		61.0	73.0	13.8	83.3	7.3
GARST SEED SC-W700	76.4	63.0	72.0	11.6	75.5	4.2
WHITE AVERAGE	83.8	72.4	92.6	12.2	81.5	6.2
GRAND AVERAGE	93.8	83.4	105.6	11.7	82.1	4.8
LSD (0.10)	15.6	16.3	26.4	1.0	11.7	5.4
C.V.			18.6	6.4	10.7	83.5

Table 12. — Annual Summary, Shelbyville

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
MCCURDY 7777	152.6	142.8	155.2	16.7	82.1	2.1
BO-JAC 9250		140.0	151.9	14.5	85.0	4.5
BO-JAC 6295			148.7	17.0	86.8	1.0
ASGROW RX947	138.4	124.6	148.2	16.9	88.0	1.0
COLBERT 326	137.7	129.5	148.2	15.8	81.2	2.2
MCCURDY 7400			146.6	16.0	86.3	2.0
GARST SEED 8315	147.2	128.0	144.4	16.5	86.8	2.0
DEKALB DK743			143.5	16.2	87.2	5.3
PIONEER BRAND 3154		137.0	142.9	15.2	85.9	6.3
NORTHRUP-KING S8505			142.8	15.5	83.3	1.6
STEWART HYBRIDS S-9213			141.2	15.3	89.7	1.9
MCCURDY 7477	138.7	126.3	141.2	15.5	87.6	2.9
GARST SEED 8316			140.9	16.0	83.3	2.1
DEKALB DK715		127.1	140.4	17.3	83.3	1.5
CROW'S 670	143.4	127.2	139.6	14.4	82.9	4.2
GLICK SEED GH801			138.7	16.1	88.5	2.0
COLBERT 324		124.0	138.4	16.6	89.7	1.0
DEKALB DK643		129.7	138.3	13.7	85.9	3.9
CARGILL 7997			137.7	19.1	84.6	2.5
STINE 1181			136.7	16.5	85.5	2.0
PIONEER BRAND 3165	137.2	138.1	135.5	16.1	88.9	2.3
AGRIGOLD A-6690			135.5	16.4	89.3	2.4
BECK'S 81X		123.8	135.2	17.6	88.9	0.0
ZIMMERMAN Z27	148.6	132.8	135.1	14.9	86.3	1.5
ASGROW RX899			135.0	16.7	86.8	1.5
CAVERNDALE FM. CF950	142.2	125.8	134.7	16.5	82.1	1.5
NORTHRUP-KING N8318			133.9	15.9	82.5	2.6
ASGROW RX919			133.9	16.8	79.1	1.1
AGRATECH 787			133.9	14.8	83.8	0.5
HUBNER SEED H3715			133.6	15.9	85.5	1.6
NORTHRUP-KING N8727	141.8	124.0	133.6	18.7	88.0	1.0
STINE 1225			132.8	17.7	82.9	2.0
FUNK'S G-4671			132.5	15.8	85.9	3.6
CROW'S 688	139.0	124.4	131.9	15.5	86.3	7.8
HUBNER SEED H3318			131.3	16.0	88.5	1.0
PIONEER BRAND 3245			130.5	15.1	88.0	2.4
GARST SEED 8105			130.4	17.2	80.8	0.5
JACQUES 8210	140.5	121.0	130.0	18.5	88.9	3.8
AGRATECH 6640			129.7	16.5	85.9	2.9
NORTHRUP-KING N7816			128.4	15.3	82.5	4.2
FR27 X PA91	132.5	119.1	128.2	19.0	86.8	6.4
AGRI GOLD A-6715		113.9	127.8	18.6	82.9	0.5
GARST SEED 8250	132.4	119.9	127.7	16.0	84.2	2.6
STEWART HYBRIDS S-8815	135.2	121.3	127.4	17.2	85.9	3.0
PIONEER BRAND 3140	145.3	121.5	127.3	15.2	82.9	3.1
SO. STATES SS793		118.7	127.2	18.4	88.5	4.3
CROW'S 682		119.3	127.0	14.0	82.1	1.5
ADLERS 6130	140.3	125.2	127.0	14.8	83.8	0.5
PRAIRIE STREAM SX702	141.0	123.7	126.7	16.0	88.0	6.8
PIONEER BRAND 3142		119.7	126.7	18.0	85.5	6.3
JACQUES 7970			126.6	16.2	86.3	3.8
PIONEER BRAND 3180		115.5	126.5	15.3	88.9	2.9
ASGROW RX811			126.5	15.1	88.0	1.4
FR27 X MO17	127.2	111.3	125.7	15.5	82.5	2.6
HUBNER SEED H3717		117.6	125.1	15.4	87.2	3.4
STEWART HYBRIDS S-9212			124.8	15.0	85.9	0.5
NORTHRUP-KING PX9540			123.8	16.0	82.5	1.0
TERRA SEEDS TR1180	130.1	116.7	123.7	15.4	89.3	5.4
HYPERFORMER HS9773		118.0	123.3	16.5	81.2	2.2
STINE 1091			122.9	15.4	71.8	2.9
GLICK SEED GH82X	122.8	108.2	122.0	15.2	79.5	2.3
DEKALB DK677	143.4	120.2	121.3	15.1	84.2	1.5
FUNK'S G-4666	125.8	114.0	120.8	15.7	85.9	1.0
FUNK'S G-4631			120.5	19.5	85.9	6.2
CARGILL 9027	136.7	116.7	120.3	17.4	87.2	2.5
JACQUES 8410			120.2	16.7	87.6	4.4
BECK'S 68X			120.0	15.2	85.0	5.1
ASGROW RX908	139.7	119.4	119.9	15.2	84.2	7.7
SCOTT SEED LR5241	125.3	109.4	119.8	16.6	85.0	2.5
BECK'S 72X	134.0	110.3	119.6	14.8	85.5	10.2
CALLAHAN C783			119.2	15.5	86.3	2.5

Table 12. — Annual Summary, Shelbyville *continued*

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
UAP DYNA-GRO 5561			119.2	15.8	84.6	3.3
SO. CROSS 711		113.2	119.1	14.9	80.3	8.6
PIONEER BRAND 3295	134.8	106.5	118.5	16.7	87.6	2.9
CALLAHAN C775			118.3	16.3	85.9	1.5
FUNK'S G-4651			118.2	16.2	85.0	1.4
SO. CROSS 611	136.0	112.9	118.0	14.2	83.3	9.1
CARGILL 8427		110.7	117.9	16.2	87.2	3.0
TERRA SEEDS TR3400			117.9	17.1	82.1	2.6
AGRATECH 6902			117.6	16.6	85.5	2.5
DEKALB DK689	126.3	106.9	116.2	17.0	82.1	0.0
UAP DYNA-GRO 5671			116.0	15.2	84.6	1.0
SCOTT SEED LR 3359			115.9	14.8	82.1	3.1
SCOTT SEED LR 3347			115.9	13.7	85.0	1.9
STINE 1161			115.6	15.3	80.8	2.1
ADLERS 7905			114.4	16.6	85.5	1.0
COLBERT 230			113.1	14.3	75.2	1.8
UAP DYNA-GRO 5655			112.8	17.0	87.6	3.4
AGRATECH 757			112.1	14.4	87.6	1.9
TERRA SEEDS TR1190	122.4	101.2	111.8	17.2	73.1	5.2
AGRATECH 6610			111.6	14.6	78.6	5.2
SO. STATES SS812			110.3	15.8	79.9	0.6
SO. CROSS 511	119.9	105.3	109.8	17.5	83.8	3.1
PIONEER BRAND 3394			109.6	15.1	82.9	3.1
CROW'S 669	118.2	110.3	109.6	15.5	78.6	2.0
HYPERFORMER HS 9704			108.5	17.2	79.9	4.9
BO-JAC 905	131.3	111.9	108.2	16.3	85.0	3.4
CAVERNDALE FM. CF975		97.1	105.5	20.0	85.9	7.0
GLICK SEED GH760			104.5	15.1	82.9	4.2
PRAIRIE STREAM SX565			104.3	16.2	81.2	8.9
GLICK SEED GH796			103.8	15.4	80.3	3.2
HYPERFORMER HS97	120.2	109.2	103.0	17.0	88.9	3.4
COLBERT 318			102.5	13.8	88.5	1.9
CAVERNDALE FM. CF925	122.3	110.9	101.9	14.7	73.9	0.5
AGRATECH 825	127.7	111.6	101.8	15.6	84.2	2.5
FR27 X LH38	114.3	103.2	100.6	15.4	79.9	2.7
BALDRIDGE BH-575			98.2	15.5	83.8	1.0
SCOTT SEED LR3350		107.9	98.1	19.7	76.9	1.1
SO. STATES SS790		111.4	95.9	17.1	85.9	6.0
SO. CROSS 411	113.6	105.0	95.6	15.6	79.5	4.8
AGRIGOLD A-6720	121.9	101.9	91.2	18.2	79.1	10.8
TERRA SEEDS TR1170	123.8	108.0	91.1	16.1	88.0	2.9
CALLAHAN C776		105.1	90.9	17.1	85.5	4.6
YELLOW AVERAGE	133.0	117.6	123.3	16.1	84.4	3.1
WHITE HYBRIDS						
NOBLE BEAR NB 739W			133.9	14.5	89.3	2.9
GARST SEED SC-W707		126.6	130.9	18.0	86.8	3.0
PIONEER BRAND 3144W	141.3	117.3	129.4	15.0	86.8	2.0
ZIMMERMAN Z63W			129.2	17.5	89.3	1.4
PIONEER BRAND 3281W			128.9	15.5	87.2	0.5
NOBLEBEAR NBX720W		119.8	126.8	16.6	79.1	1.6
NOBLE BEAR NB 747W			123.6	15.5	80.8	1.1
NORTHRUP-KING N8565W		113.3	123.5	19.1	85.0	0.5
ZIMMERMAN Z16W			120.2	18.2	85.0	2.5
VINEYARD SEED V-68W			119.2	17.6	90.2	2.4
ASGROW RX956W	130.5	108.7	118.7	17.4	88.5	2.5
GARST SEED SC-W700	123.0	101.2	116.7	17.8	86.3	2.0
HUBNER SEED H8819W			115.2	17.1	86.8	1.0
VINEYARD SEED V-58W			114.9	16.8	85.0	2.0
CARGILL 9400W		107.0	113.8	17.5	89.3	1.9
AGRIGOLD A-6796W	124.6	107.7	113.1	20.2	88.9	1.9
ZIMMERMAN Z61W		102.0	112.4	15.5	86.3	1.0
SO. STATES SS917W	126.3	102.3	112.4	20.3	85.5	1.5
DEKALB DK703W			96.4	17.5	79.9	1.1
WHITE AVERAGE	129.1	110.6	119.9	17.2	86.1	1.7
GRAND AVERAGE	132.6	116.6	122.8	16.3	84.6	2.9
LSD (0.10)	12.9	15.0	22.2	2.4	6.5	4.3
C.V.			13.4	10.9	5.7	110.3

Table 13. — Annual Summary, Lexington

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
MCCURDY 7400			128.1	13.1	87.5	1.1
CARGILL 7997			119.8	13.5	87.0	0.6
JACQUES 8210	157.9	135.2	118.6	13.5	90.3	0.0
DEKALB DK743			115.8	14.0	89.4	0.5
CALLAHAN C776		138.2	115.5	13.6	94.9	0.0
PIONEER BRAND 3140	173.7	145.4	113.1	13.2	86.1	3.4
ASGROW RX908	157.8	142.7	112.7	12.9	79.2	1.1
CARGILL 8427		136.4	109.7	13.5	85.6	0.0
FUNK'S G-4631			108.0	13.2	86.1	0.6
MCCURDY 7477	156.1	134.1	107.9	13.7	89.4	0.0
BECK'S 72X	166.7	137.0	107.8	13.0	82.9	5.9
BO-JAC 9250		132.9	107.0	12.7	86.1	0.5
HUBNER SEED H3715			106.3	13.3	90.7	0.0
GARST SEED 8250	159.5	137.8	105.1	13.7	91.2	0.0
HYPERFORMER HS9773		128.2	104.5	12.9	84.3	2.2
PIONEER BRAND 3394			103.3	12.5	86.6	3.6
ASGROW RX919			102.6	13.2	77.3	0.0
NORTHRUP-KING PX9540			102.3	13.0	87.0	0.5
SO. STATES SS793		128.7	102.1	12.9	87.5	0.0
HUBNER SEED H3717		134.0	100.4	12.3	83.3	0.0
FR27 X PA91	152.5	123.9	98.8	14.3	89.4	2.3
SO. CROSS 711		122.6	98.8	12.8	89.8	2.5
AGRATECH 825	147.1	131.4	98.7	13.5	84.7	0.5
AGRIGOLD A-6720	150.4	127.9	98.7	13.3	85.2	0.7
FUNK'S G-4651			98.5	13.3	88.0	0.5
MCCURDY 7777	145.5	124.1	98.4	13.1	86.6	3.8
ASGROW RX947	154.4	127.8	98.2	13.9	90.7	3.1
BECK'S 68X			98.1	13.1	83.8	0.0
PIONEER BRAND 3245			98.0	12.9	82.4	3.7
CROW'S 682		124.8	97.7	12.6	85.6	1.6
ADLERS 7905			97.3	13.1	87.0	0.0
SO. CROSS 611	149.7	115.8	97.3	13.1	85.2	1.6
CROW'S 670	162.4	134.8	97.2	13.2	83.3	4.0
ASGROW RX811			97.1	13.3	88.9	1.6
STEWART HYBRIDS S-9212			97.0	12.6	89.4	0.5
PRAIRIE STREAM SX702	153.8	123.7	96.9	12.9	86.6	4.3
NORTHRUP-KING S8505			96.8	13.1	88.4	3.7
FUNK'S G-4666	155.7	137.3	96.7	12.7	86.6	0.5
UAP DYNA-GRO 5655			96.5	13.1	87.5	0.0
FR27 X MO17	147.6	120.7	96.2	12.6	79.2	2.9
CROW'S 688	140.6	128.4	96.2	13.4	85.6	3.3
TERRA SEEDS TR1170	147.8	125.1	96.2	13.4	85.2	0.0
SO. STATES SS790		133.6	96.1	12.7	87.5	0.5
GLICK SEED GH796			94.7	12.8	80.1	1.7
SCOTT SEED LR 3359			94.3	13.0	94.9	0.5
TERRA SEEDS TR3400			93.9	12.5	83.3	3.9
CAVERNDALE FM. CF925	147.1	128.4	93.9	13.4	84.7	0.0
ZIMMERMAN Z27	160.9	137.1	93.6	12.5	88.0	0.5
PIONEER BRAND 3295	177.3	142.0	93.3	12.7	83.8	0.0
TERRA SEEDS TR1180	146.9	126.1	93.2	12.8	81.0	0.6
AGRATECH 6610			92.8	12.4	87.5	2.1
ADLERS 6130	150.1	126.0	92.4	12.7	88.4	4.2
UAP DYNA-GRO 5671			92.3	12.8	88.9	0.0
PIONEER BRAND 3154		128.7	91.6	13.3	78.2	4.7
DEKALB DK643		128.0	91.4	12.8	83.8	1.1
CAVERNDALE FM. CF975		122.4	90.6	13.8	92.6	3.1
GARST SEED 8316			90.0	13.3	87.5	0.0
NORTHRUP-KING N8727	153.1	125.3	89.6	14.1	86.6	0.0
DEKALB DK677	155.8	122.5	89.0	13.2	94.4	3.0
SCOTT SEED LR5241	134.0	108.8	87.3	13.0	88.9	1.5
TERRA SEEDS TR1190	147.0	127.7	87.3	13.1	80.6	2.3
SO. CROSS 411	138.3	114.8	86.9	12.6	94.4	1.0
BO-JAC 905	148.5	123.8	86.8	12.8	84.3	0.5
FUNK'S G-4671			86.7	13.2	85.6	2.5
SCOTT SEED LR3350		132.4	86.1	12.8	81.0	0.0
STINE 1091			86.0	12.0	81.0	0.0
SO. CROSS 511	132.2	112.2	85.7	13.1	78.7	0.0
CROW'S 669	138.4	115.8	85.2	13.4	88.9	0.0
COLBERT 230			84.9	12.0	86.1	0.0
BO-JAC 6295			84.6	12.3	86.6	0.0
PIONEER BRAND 3165	142.6	129.0	84.6	13.6	84.7	0.5

Table 13. — Annual Summary, Lexington *continued*

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
CARGILL 9027	142.9	126.0	83.8	13.1	87.5	1.5
AGRIGOLD A-6690			83.6	12.4	87.5	1.6
COLBERT 326	159.6	129.3	81.9	12.4	90.7	0.5
UAP DYNA-GRO 5561			80.4	13.0	89.4	0.5
PIONEER BRAND 3180		117.7	80.3	12.5	91.2	1.6
GLICK SEED GH801			80.3	12.4	88.0	1.7
PRAIRIE STREAM SX565			79.7	12.8	88.0	0.6
COLBERT 318			79.3	12.4	85.6	0.0
SCOTT SEED LR 3347			79.1	12.2	92.1	0.0
DEKALB DK689	149.5	117.8	78.1	13.9	85.2	1.7
COLBERT 324		131.1	77.6	12.4	95.4	0.0
JACQUES 7970			77.2	12.9	82.4	0.5
HYPERFORMER HS 9704			76.6	12.4	81.9	0.0
AGRATECH 6640			76.0	12.8	81.9	4.1
PIONEER BRAND 3142		129.5	75.7	12.9	74.1	1.9
GLICK SEED GH760			74.1	12.5	88.0	0.0
NORTHRUP-KING N7816			73.7	12.4	92.1	0.0
CAVERNDALE FM. CF950	144.5	119.1	72.7	12.9	84.3	1.1
GLICK SEED GH82X	134.6	103.6	71.7	12.9	92.6	0.0
CALLAHAN C783			70.5	13.0	83.3	0.0
STINE 1225			68.8	14.3	80.1	0.5
BECK'S 81X		112.6	68.0	12.2	86.6	0.0
SO. STATES SS812			67.0	12.3	87.0	1.8
STEWART HYBRIDS S-9213			66.3	12.2	85.6	0.0
BALDRIDGE BH-575			65.3	13.2	86.1	1.1
STEWART HYBRIDS S-8815	132.4	104.0	64.7	12.6	88.9	0.0
HYPERFORMER HS97	131.0	105.3	64.7	13.6	88.0	0.0
STINE 1161			63.4	12.0	81.5	2.4
DEKALB DK715		108.3	63.0	13.0	90.3	0.0
GARST SEED 8315	148.7	124.0	60.7	11.9	84.3	3.3
STINE 1181			59.9	11.9	90.3	0.0
HUBNER SEED H3318			59.4	11.9	80.6	0.0
GARST SEED 8105			58.3	14.0	88.4	1.1
FR27 X LH38	116.7	87.9	58.2	12.2	77.8	1.7
NORTHRUP-KING N8318			56.9	12.6	87.5	1.7
CALLAHAN C775			56.7	13.6	87.0	1.6
AGRATECH 787			56.3	12.0	86.1	0.5
JACQUES 8410			53.8	14.0	82.4	2.8
AGRATECH 6902			49.1	11.2	83.8	0.6
AGRI GOLD A-6715		108.4	48.1	12.0	93.1	0.5
AGRATECH 757			43.6	11.9	91.2	0.0
ASGROW RX899			39.0	12.1	88.0	1.1
YELLOW AVERAGE	149.1	125.1	86.6	12.9	86.4	1.2
WHITE HYBRIDS						
NOBLE BEAR NB 739W			98.9	13.8	78.2	5.3
NOBLE BEAR NB 747W			90.3	13.5	75.0	8.4
VINEYARD SEED V-68W			87.1	14.5	94.0	1.5
HUBNER SEED H8819W			87.1	15.2	79.6	2.3
DEKALB DK703W			84.4	14.7	82.4	4.5
NOBLEBEAR NBX720W		107.4	75.5	13.5	81.9	3.0
PIONEER BRAND 3281W			72.5	13.7	93.5	0.0
PIONEER BRAND 3144W	144.6	109.9	68.7	12.9	83.3	2.9
CARGILL 9400W		119.7	67.6	14.9	86.1	0.0
ZIMMERMAN Z61W		112.2	66.2	13.1	91.7	1.5
ZIMMERMAN Z63W			62.9	14.0	87.0	1.7
GARST SEED SC-W707		103.9	61.8	13.8	81.9	0.0
SO. STATES SS917W	144.9	112.6	59.1	14.6	88.4	0.6
VINEYARD SEED V-58W			56.4	14.3	87.5	4.8
ASGROW RX956W	134.0	106.2	55.6	15.2	89.8	1.0
GARST SEED SC-W700	132.2	99.8	53.3	15.1	83.3	2.6
AGRIGOLD A-6796W	136.9	105.9	52.5	14.3	92.1	1.0
NORTHRUP-KING N8565W		100.9	51.5	16.4	89.4	4.2
ZIMMERMAN Z16W			50.6	14.4	88.0	2.7
WHITE AVERAGE	138.5	107.9	68.5	14.3	86.0	2.5
GRAND AVERAGE	147.9	122.7	84.0	13.1	86.3	1.4
LSD (0.10)	12.8	15.9	25.1	0.6	8.1	2.5
C.V.			22.2	3.4	7.0	135.5

Table 14. — Annual Summary, Quicksand

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
BECK'S 68X			161.1	14.3	78.2	0.0
ASGROW RX908	170.3	173.0	154.7	15.0	72.2	7.2
HUBNER SEED H3717		164.2	151.1	16.6	74.5	4.1
PIONEER BRAND 3165	141.3	156.7	147.2	17.2	76.4	5.3
ADLERS 7905			146.9	15.8	80.1	5.7
ASGROW RX947	167.4	159.1	143.9	16.5	63.4	16.9
COLBERT 326	160.3	164.4	143.8	14.8	80.6	1.1
SCOTT SEED LR 3359			141.9	14.5	78.7	3.1
BO-JAC 905	150.0	160.5	141.8	15.6	76.9	0.0
BO-JAC 9250		151.8	140.0	16.2	70.8	4.1
AGRIGOLD A-6720	158.5	151.8	138.7	18.5	74.5	1.4
UAP DYNA-GRO 5561			138.4	15.0	76.9	2.7
SO. CROSS 611	159.7	152.9	138.2	15.6	73.1	10.5
GLICK SEED GH801			137.4	14.5	64.8	1.9
CARGILL 9027	166.6	157.4	137.2	16.9	74.1	9.6
NORTHRUP-KING N8727	163.2	161.4	135.2	17.1	73.6	0.8
SO. STATES SS793		154.0	134.1	15.1	80.1	2.4
HUBNER SEED H3715			133.4	16.5	79.2	3.9
SCOTT SEED LR5241	146.6	144.6	133.3	14.7	75.5	4.9
AGRATECH 825	156.4	149.0	133.1	17.3	75.5	2.1
PIONEER BRAND 3180		136.1	132.3	14.9	75.0	1.5
MCCURDY 7777	150.4	151.2	131.8	16.1	80.1	5.4
DEKALB DK677	155.9	146.4	131.3	15.7	66.2	4.0
TERRA SEEDS TR1180	154.2	151.9	131.2	15.6	73.6	4.6
CROW'S 670	150.6	147.7	128.0	16.9	64.8	4.2
DEKALB DK689	144.2	144.9	127.6	16.2	72.2	8.1
STINE 1181			126.9	15.8	70.4	2.9
AGRI GOLD A-6715		152.3	126.4	15.2	76.9	2.0
UAP DYNA-GRO 5655			126.2	16.1	72.7	4.4
HYPERFORMER HS 9704			125.8	14.7	62.0	1.7
SO. CROSS 711		145.4	125.7	14.3	75.5	0.0
BECK'S 72X	161.1	154.4	125.2	15.5	61.6	11.5
CROW'S 688	141.5	141.7	125.1	15.3	65.3	2.9
ADLERS 6130	146.5	141.6	125.0	14.8	71.3	4.1
PIONEER BRAND 3140	154.0	150.6	124.8	15.8	68.1	7.7
COLBERT 318			124.5	15.7	72.7	1.9
GARST SEED 8250	149.0	144.8	124.0	16.3	81.9	0.0
ASGROW RX919			122.6	15.5	69.4	21.1
PIONEER BRAND 3295	165.2	149.8	122.3	15.2	60.2	7.9
AGRATECH 6640			121.7	16.7	71.3	3.1
PIONEER BRAND 3142		149.2	121.5	16.2	62.5	17.2
PIONEER BRAND 3394			121.3	15.1	72.7	1.1
NORTHRUP-KING PX9540			120.3	15.3	79.6	0.7
TERRA SEEDS TR1190	146.7	142.9	120.3	15.0	63.4	3.9
SO. CROSS 411	148.3	146.3	120.3	15.3	69.4	4.2
MCCURDY 7477	148.0	142.2	119.6	14.6	58.3	0.8
MCCURDY 7400			118.9	15.4	64.8	10.7
CALLAHAN C776		137.1	118.7	16.4	70.8	4.2
FR27 X PA91	157.3	149.3	118.4	17.3	69.4	10.7
DEKALB DK643		139.8	118.2	15.5	75.9	4.4
BO-JAC 6295			115.8	14.5	68.1	3.7
UAP DYNA-GRO 5671			115.5	15.5	68.1	9.0
FUNK'S G-4631			115.2	16.9	60.6	0.0
FUNK'S G-4671			115.1	16.1	72.7	2.0
CARGILL 7997			114.5	15.9	63.4	4.4
HYPERFORMER HS97	149.9	143.9	114.3	16.0	75.5	3.2
JACQUES 8210	146.9	140.5	113.1	16.7	74.1	6.4
ASGROW RX899			113.0	14.2	75.5	0.6
HUBNER SEED H3318			112.2	14.5	65.3	0.0
SO. STATES SS790		144.0	112.2	15.3	67.1	3.7
NORTHRUP-KING N8318			111.5	14.9	66.2	14.2
DEKALB DK715		136.9	111.0	16.9	55.6	4.9
HYPERFORMER HS9773		141.4	110.8	15.7	61.6	13.0
ZIMMERMAN Z27	146.6	136.6	110.5	15.6	65.3	3.8
FUNK'S G-4666	147.4	140.9	110.2	16.5	64.4	8.0
CAVERNDALE FM. CF950	141.0	130.7	110.0	15.1	70.4	18.3
SO. STATES SS812			109.4	15.2	63.0	5.9
BECK'S 81X		136.6	109.3	15.2	72.2	0.8
PRAIRIE STREAM SX702	158.5	146.1	108.8	15.1	58.3	11.1
PIONEER BRAND 3154		130.9	108.7	15.6	75.9	7.9
GARST SEED 8315	158.2	142.7	106.9	15.2	65.7	5.2

Table 14. — Annual Summary, Quicksand *continued*

BRAND/HYBRID	YIELD BU/AC 89-91	YIELD BU/AC 90-91	YIELD BU/AC 1991	AVG % MOIST 1991	AVG % STAND 1991	TOT % LODGED 1991
YELLOW HYBRIDS						
GLICK SEED GH796			106.8	16.2	70.4	8.5
STINE 1161			106.4	15.0	78.2	3.0
DEKALB DK743			106.2	17.0	66.7	15.8
STINE 1091			105.6	15.7	67.1	2.5
COLBERT 230			104.9	14.7	64.8	2.5
BALDRIDGE BH-575			104.9	17.1	69.0	3.4
JACQUES 8410			102.8	16.4	72.7	7.6
CROW'S 682		138.2	101.3	15.7	56.9	14.7
ASGROW RX811			101.3	17.0	67.1	2.9
STEWART HYBRIDS S-9213			100.8	15.6	66.7	2.2
AGRATECH 757			100.7	15.4	75.9	1.0
CROW'S 669	126.3	118.8	100.6	15.2	68.5	7.3
NORTHRUP-KING S8505			100.2	15.4	57.4	11.1
JACQUES 7970			99.4	18.5	74.5	6.9
CAVERNDALE FM. CF975		130.2	99.3	16.6	68.1	3.4
TERRA SEEDS TR1170	136.2	125.6	99.2	15.9	62.0	10.0
AGRIGOLD A-6690			98.9	15.8	59.7	13.0
PIONEER BRAND 3245			98.9	15.6	65.7	1.6
AGRATECH 6610			98.4	14.5	64.4	4.4
CARGILL 8427		131.0	97.5	15.1	64.4	3.0
SCOTT SEED LR 3347			96.7	14.9	50.5	2.9
AGRATECH 787			96.6	15.8	60.2	6.4
GARST SEED 8316			96.5	15.0	61.1	3.1
COLBERT 324		130.6	95.1	16.5	71.8	0.7
TERRA SEEDS TR3400			95.0	13.9	54.6	6.0
GLICK SEED GH82X	144.1	120.9	94.8	17.2	47.2	8.5
CALLAHAN C775			94.0	16.1	58.8	5.7
CALLAHAN C783			92.2	16.4	56.0	17.6
FUNK'S G-4651			92.1	15.7	66.7	7.8
SO. CROSS 511	122.2	114.9	91.6	15.3	56.0	2.8
SCOTT SEED LR3350		132.6	91.4	15.5	54.6	9.4
PRAIRIE STREAM SX565			90.8	15.3	69.4	6.0
NORTHRUP-KING N7816			90.3	15.4	57.4	14.5
FR27 X LH38	124.4	117.6	88.8	14.6	56.5	3.8
STEWART HYBRIDS S-9212			84.6	15.0	50.9	6.9
AGRATECH 6902			83.6	16.7	63.9	19.5
CAVERNDALE FM. CF925	129.5	120.6	82.6	17.0	54.6	3.7
STINE 1225			81.2	19.4	47.7	1.8
STEWART HYBRIDS S-8815	133.5	120.5	79.6	17.7	46.8	10.8
GLICK SEED GH760			75.8	15.2	56.0	3.6
GARST SEED 8105			70.0	17.1	49.5	9.1
FR27 X M017	131.5	114.9	69.6	13.9	49.5	13.9
YELLOW AVERAGE	149.0	142.6	113.9	15.8	67.1	5.8
WHITE HYBRIDS						
VINEYARD SEED V-58W			151.6	16.6	75.9	1.3
SO. STATES SS917W	159.6	156.2	145.9	16.6	80.1	5.9
CARGILL 9400W		145.7	145.4	18.3	78.7	2.8
VINEYARD SEED V-68W			138.0	19.1	76.4	5.0
NOBLEBEAR NBX720W		152.2	134.3	16.4	73.6	1.9
AGRIGOLD A-6796W	143.1	149.1	134.3	17.3	82.4	6.4
NORTHRUP-KING N8565W		141.6	133.8	17.8	82.9	2.8
ZIMMERMAN Z63W			133.0	16.0	71.3	6.4
ZIMMERMAN Z61W		148.0	130.0	15.7	57.9	11.6
ZIMMERMAN Z16W			128.3	16.5	64.8	4.0
DEKALB DK703W			124.5	17.2	77.3	2.8
HUBNER SEED H8819W			124.0	16.1	70.4	2.4
GARST SEED SC-W700	140.7	131.0	115.7	17.6	56.9	22.2
PIONEER BRAND 3281W			113.3	16.1	67.6	14.5
GARST SEED SC-W707		142.4	109.5	17.2	72.7	6.6
NOBLE BEAR NB 739W			107.7	16.2	71.3	7.4
PIONEER BRAND 3144W	140.1	130.0	101.6	15.5	70.8	7.3
ASGROW RX956W	144.5	138.4	101.2	17.5	74.5	2.5
NOBLE BEAR NB 747W			66.0	16.3	45.4	16.2
WHITE AVERAGE	145.6	143.5	123.1	16.8	71.1	6.8
GRAND AVERAGE	148.6	142.7	115.2	15.9	67.7	6.0
LSD (0.10)	16.7	20.8	34.5	1.8	13.5	9.2
C.V.			22.3	8.4	14.9	114.9