

Kentucky Hybrid Corn Performance Test-1990

PROGRESS REPORT 331

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LIST OF TABLES

<i>Table</i>		<i>Page</i>
1.—Precipitation at Test Locations.....		7
2.—Hybrids Tested in 1990.....		8
3.—Agronomic Information for 1990 Test Locations.....		13
4.—Annual Summary, Benton		14
5.—Annual Summary, Princeton		16
6.—Annual Summary, Owensboro		18
7.—Annual Summary, Franklin		20
8.—Annual Summary, Shelbyville		22
9.—Annual Summary, Lexington		24
10.—Annual Summary, Quicksand		26
11.—Annual Summary, 1989, All Non-Virus Locations		28
12.—Two-Year Summary, Six Non-Virus Locations, 1989-1990.....		30
13.—Three-Year Summary, Six Non-Virus Locations, 1989-1990.....		31
14.—Annual Summary-Virus Test, Frankfort.....		32

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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 1990 data are 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 11, 12, and 13) 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

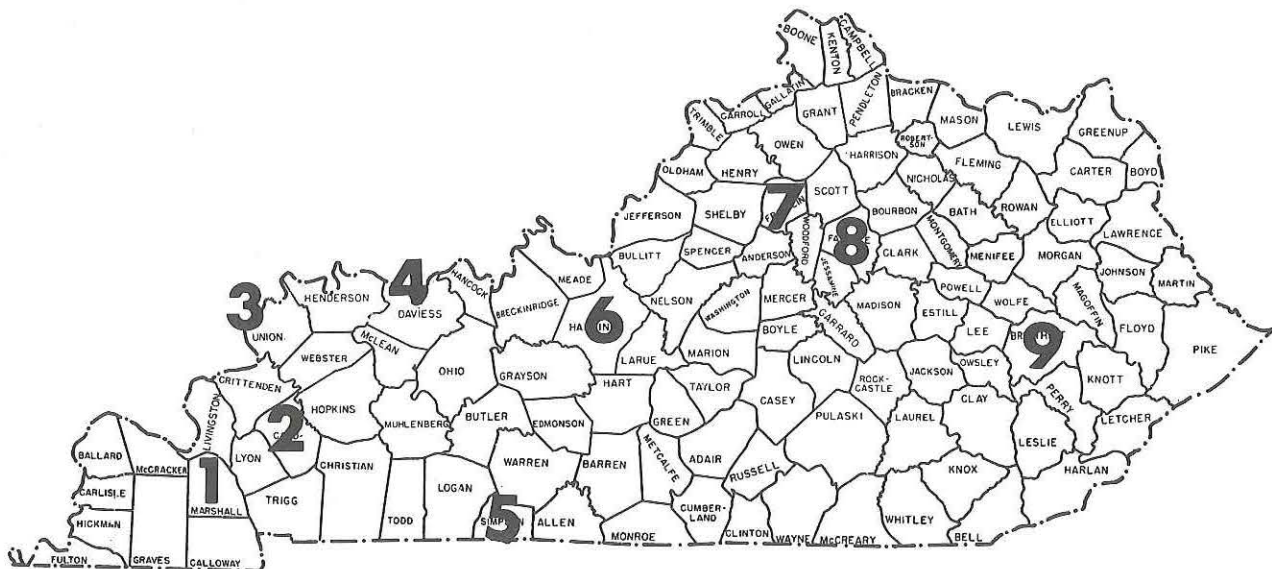
Selection of Hybrids

The hybrids chosen for testing are those most likely to be available for sale in 1991. 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 below 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 Morganfield and Frankfort sites were chosen specifically for the presence of corn virus in diverse areas of the state and may represent differences in virus populations.



Locations of the 1990 Hybrid Corn Performance Test

Cultural Practices

The test locations at Shelbyville, Benton, and Princeton were planted no-till. The other 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 a soybean residue and at Princeton in a wheat residue using recommended no-tillage practices. All test areas were treated with herbicide 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 Dyfonate as a surface applied 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 (except Princeton, where only two replications are used), while two- and three-year means are averages of six and nine replications, respectively. An 11 x 12 lattice design was used at each non-virus location, and a 7 x 8 lattice design was used at the virus locations.

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) quoted 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 yielding ability. "N.S." in the tables indicates that no statistically significant differences were determined. The LSD is calculated for an α 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 were measured with an electronic scale and moisture meter mounted on the combine. Data from most test locations was temporarily stored in a portable data logging device prior to transfer to a computer at Lexington. Yields were calculated and adjusted to No. 2 corn at 15.5% moisture. Dropped ears were not gleaned from the plots. The total number of plants and lodged plants were recorded immediately prior to harvest.

Corn Virus

Two corn virus diseases occur in Kentucky: maize dwarf mosaic virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in johnsongrass and are usually present as a virus complex. Two locations (Frankfort and Morganfield) were planted with 50 hybrids to evaluate resistance to the virus complex. Although johnsongrass was present at both virus locations and virus symptoms appeared in the johnsongrass, virus symptoms were not apparent on the corn hybrids at Morganfield and no virus ratings were taken. The Frankfort test plants did show virus symptoms and ratings were taken on September 9. No data were collected at the Morganfield site due to damage that occurred to many plots. See the notes about the Morganfield growing season.

The virus rating in Table 14 is an average rating for all plants in the plot. The number of virus infected plants was determined and a severity rating from 2 to 9 was assigned. Virus-free plants were given a 1 rating. The most severely affected plants, dead plants, were given a rating of 9. The sum of healthy plants (X 1) plus infected plants (X severity rating) divided by the total of all plants equals the average rating shown in Table 14. For example, if 20 plants in a plot are diseased with a severity rating of 5 and 40 plants are healthy, the average virus rating for that plot is 2.3; $((20 \times 5 \text{ plus } 40 \times 1) \text{ divided by } 60 = 2.3)$.

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 as 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 10) were 19.5% for FR27 X LH38, 21.9% for FR27 X Mo17, and 24.7% 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.

ABOUT THE GROWING SEASON

BENTON (Marshall County)

The Benton test was planted on May 15. The test was checked for seedling emergence on June 2. Plant populations were good. The test suffered yield losses because of the lack of timely rainfall. Weed control was good with only late season weeds in the alleyways. There were no disease problems. Lodging of plants in the tests was caused primarily by the Southwestern corn borer.

PRINCETON (KAES, Research and Education Center)

The Princeton test was planted on June 1. Excessive rainfall during May prevented timely preparation of a conventional seedbed. The test was planted no-till in wheat residue and winter annuals. Uneven fertilizer application by a bulk spreader caused the plots to have an uneven appearance until late in the growing season and may have reduced some plot yields. Weed control was good, except for johnsongrass that originated from seed. Alleyways were sprayed twice to control the johnsongrass. There were no apparent disease problems; however, there was some damage from European and Southwestern corn borers.

FRANKLIN (Simpson County)

The Franklin test was planted on April 25. Seedling emergence was good and mature stands were adequate. Weed control was excellent during the growing season. This test suffered severe yield losses, due to lack of adequate rainfall. There appeared to be no disease problems. The European and Southwestern corn borers caused some lodging.

OWENSBORO (Davies County)

The Owensboro test was planted on June 13. Weed control was fair. Mid-season weed control was accomplished with Gramoxone Extra, using a shielded sprayer, to control missed weeds and grasses. Alleyways were sprayed with Roundup on August 7 to control horseweed and fall panicum but control was not complete and there were some plants remaining at harvest. The test appeared to have no disease or insect problems.

SHELBYVILLE (Shelby County)

The Shelbyville test was planted no-till in a soybean crop residue on April 23. The test was checked on May 12 and plant populations appeared to be good. Weed control was good for most weeds and grasses but there were a few isolated areas of shattercane and vines. There were no apparent disease problems.

LEXINGTON (KAES, Spindletop Research Farm)

The Lexington test was planted on May 11. Seedling emergence was good and weed control was excellent. There appeared to be no disease problems. There was some clipping of silks by Japanese beetles and June beetles that infested the area during June and July but the silk clipping did not appear to cause pollination problems.

QUICKSAND (KAES, Robinson Substation)

The Quicksand test was planted on May 24. Weed control was fair. The test was cultivated with a tractor mounted power tiller to control missed weeds and grasses on July 6. Late season cocklebur were removed manually. Disease and insect problems were minimal although late season gray leaf spot infection was present and may have affected the performance of susceptible hybrids.

MORGANFIELD (Union County)

The Morganfield test was planted on June 19. Weed control, except for johnsongrass, was good. The test was cultivated on July 17 with a two-row tractor-powered rotary tiller. Some test plots were damaged by injector knives during nitrogen fertilizer application and while spraying for late season insect control. Johnsongrass around the plot area had virus symptoms but no symptoms were found on corn plants; thus, virus disease ratings were not taken. There was damage from European corn borer and army worms. This plot was **not** harvested due to the mechanical and insect damage plus the lateness of the test.

FRANKFORT (Franklin County)

The Frankfort test was planted on June 18. Weed problems, except for johnsongrass, were minimal. Seedling emergence was good. The test was cultivated three times to control seedling and rhizome johnsongrass. Johnsongrass in spreader rows and around the plot area and susceptible corn plants in spreader rows had virus symptoms. Virus disease ratings were taken September 9. Harvest was completed on November 14 after a killing frost. Grain dry-down, however, was not complete since moisture content of almost all grain samples exceeded the highest calibrated moisture level of the analysis equipment (33.5%). Since accurate moisture measurements could not be made, all plot yield samples were assumed to be 35%. Because of the late or incomplete maturation, yield data presented in Table 14 may not be accurate measures of the hybrids' true yield potential since the killing frost may have stopped grain fill prematurely for some hybrids. Virus rating, however, was not affected by the late growing season and should provide a good estimate of virus tolerance.

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, 1990

Month	Days	Location								
		Benton	Princeton	Simpson	Owensboro	Morganfield	Shelbyville	Lexington	Quicksand	Frankfort
April	1-8	--	0.09	--	0.34	--	--	0.26	0.78	--
	9-16	--	1.04	--	2.71	--	--	0.64	0.74	--
	17-24	--	1.04	*	1.37	--	*	1.36	--	0.82
	25-30	--	<u>0.86</u>	--	<u>1.09</u>	--	<u>0.25</u>	<u>0.20</u>	<u>0.55</u>	--
	Total	0.00	3.03	0.00	5.50	--	0.25	2.46	2.89	--
May	1-8	--	1.45	0.55	1.67	--	1.46	1.95	1.41	--
	9-16	2.00*	0.77	2.00	2.40	--	4.05	0.76*	0.59	--
	17-24	0.90	2.11	1.25	2.33	--	1.25	1.78	0.85*	--
	25-31	<u>2.00</u>	<u>2.13</u>	<u>0.85</u>	<u>0.45</u>	--	<u>2.85</u>	<u>2.03</u>	<u>1.75</u>	--
	Total	4.90	6.46	4.65	4.35	--	9.58	6.52	4.60	--
June	1-8	1.20	0.96*	3.20	0.93	--	4.24	2.88	1.60	--
	9-16	0.10	0.35	1.50	0.29*	--	0.03	0.97	2.08	--
	17-24	--	0.27	--	0.28	-- *	1.59	0.78	0.61	0.50*
	25-30	--	--	--	<u>0.15</u>	--	--	--	<u>0.01</u>	--
	Total	1.30	1.58	4.70	1.65	--	5.86	4.63	4.30	0.50
July	1-8	--	0.01	--	--	--	0.12	0.76	0.08	0.60
	9-16	5.10	2.37	0.30	0.45	--	1.33	2.90	2.50	1.60
	17-24	--	2.47	--	2.00	--	0.83	1.01	0.18	0.90
	25-31	--	--	--	--	--	--	<u>0.17</u>	<u>0.48</u>	--
	Total	5.10	4.85	0.30	2.45	--	2.28	4.84	3.24	3.10
August	1-8	--	1.46	--	1.88	--	0.48	0.18	1.16	0.40
	9-16	0.45	0.41	0.70	0.44	--	0.19	0.52	0.22	0.20
	17-24	--	0.18	--	2.40	--	2.05	2.26	1.88	1.80
	25-31	--	--	<u>1.50</u>	<u>0.45</u>	--	<u>2.60</u>	<u>2.25</u>	<u>0.65</u>	<u>3.00</u>
	Total	0.45	2.05	2.20	5.17	--	5.32	5.21	3.91	5.40
Sept.	1-8	--	0.14	--	0.51	--	0.38	0.31	--	--
	9-16	2.00	0.42	2.50	0.09	--	1.07	0.76	0.46	0.80
	17-24	--	2.63	**	0.97	--	0.81	0.99	1.28	0.70
	25-30	**	<u>0.02</u>	--	<u>0.10</u>	--	--	<u>0.13**</u>	<u>0.79</u>	<u>0.40</u>
	Total	2.00	3.21	2.50	1.67	--	2.46	2.19	2.53	1.80
Grand Total		24.52	21.18	14.35	20.80	26.89	25.50	25.85	31.40	10.90

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

7

TABLE 2.—HYBRIDS TESTED IN 1990

	Hybrid	Test*	Color	Cross**	Source
Adler's	88X	A	Yellow	2X	Adler Seeds, Inc. Route 1 Sharpesville, IN 46068
	6130	A	Yellow	2x	
AgraTech	GK750	A	Yellow	2X	AgraTech Seed Research P.O. Box 644 Atlanta, GA 31714
	GK900	AB	Yellow	2X	
	888	AB	Yellow	2X	
	825	A	Yellow	2X	
	891	B	Yellow	2X	
AgriGold	A-6655	A	Yellow	2X	Akin Seed Company Route 1 St. Francesville, IL 62460
	A-6720	A	Yellow	2X	
	A-6715	A	Yellow	2X	
	A-6796W	AB	White	2X	
Asgrow	RX947	AB	Yellow	2X	Asgrow Seed Company P.O. Box 109 Matthews, MO 63867
	RX911	AB	Yellow	2X	
	RX908	A	Yellow	2X	
	RX956W	A	White	2X	
	X9199	B	Yellow	2X	
Beck's	85MDM	B	Yellow	2X	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031
	83X	A	Yellow	2X	
	72X	A	Yellow	2X	
	81X	A	Yellow	2X	
Bo-Jac	601	A	Yellow	2X	Bo-Jac Hybrid Corn Company R. R. #2 Mount Pulaski, IL 62548
	9250	A	Yellow	2X	
	905	AB	Yellow	2X	
Callahan	C776	A	Yellow	2X	Callahan Seeds 1122 E. 169th Street Westfield, IN 46074
	C781	A	Yellow	2X	
	C773A	A	Yellow	2X	
Cargill	9027	A	Yellow	2X	Cargill Seeds P.O. Box 9480 Minneapolis, MN 55440
	9427	A	Yellow	2X	
	8527	AB	Yellow	2X	
	9400	A	White	2X	
Caverndale Farms	CF6065	A	Yellow	2X	Caverndale Farms Route 2 Danville, Ky. 40422
	CF900	B	Yellow	2X	
	CF925	A	Yellow	2X	
	CF950	A	Yellow	2X	
	CF975	A	Yellow	2X	

TABLE 2.—HYBRIDS TESTED (continued)

	Hybrid	Test*	Color	Cross**	Source
Colbert	313	A	Yellow	2X	Colbert Farms R. R. #2 Washington, IN 47501
	326	A	Yellow	2X	
	324	A	Yellow	2X	
Crow's	669	A	Yellow	2X	Crow's Hybrid Corn Company Box 306 Milford, IL 60953
	688	A	Yellow	2X	
	670	A	Yellow	2X	
	675	B	Yellow	2X	
	682	A	Yellow	2X	
DeKalb	DK689	AB	Yellow	2X	DeKalb Plant Genetics 3100 Sycamore Road DeKalb, IL 60115
	DK711	A	Yellow	2X	
	DK677	A	Yellow	2X	
	DK789	B	Yellow	2X	
	DK649	B	Yellow	2X	
	DK643	AB	Yellow	2X	
	DK715	A	Yellow	2X	
Funk's	G-4513	A	Yellow	2X	CIBA-GEIGY Seed Division P.O. Box 18300 Greensboro, NC 27419
	G-4660W	A	White	2X	
	G-4666	AB	Yellow	2X	
	G-4680	B	Yellow	2X	
Garst	8180	B	Yellow	2X	Garst Seed Company Rt 3, Box 93 Bowling Green, MO 63334
	8250	A	Yellow	2X	
	8315	A	Yellow	2X	
Golden Acres	6996	A	Yellow	2X	Golden Acres Seed Company 8888 Parsons Rd. N.W. P.O. Box 226 Croton, OH 43013
	6997	B	Yellow	2X	
	GA9586	AB	Yellow	2X	
	GA8559	A	Yellow	2X	
Glick Seed	GH75X	A	Yellow	2X(Mod)	Glick Seed Service 16801 E-100N Hartsville, IN 47224
	GH82X	A	Yellow	2X	
	GH80X	A	Yellow	2X	
Hubner Seed	H3717	AB	Yellow	2X	Hubner Seed Co., Inc. Route 1, Box 92 West Lebanon, IN 47991
	H3315	A	Yellow	2X	
	H8819W	A	White	2X	
	H3515	B	Yellow	2X	
	H9019	B	Yellow	2X	

TABLE 2.—HYBRIDS TESTED (continued)

	Hybrid	Test*	Color	Cross**	Source
Hyperformer	HS9773	A	Yellow	2X	Hyperformer Seed Company 5100 Popular, Suite 3200 Memphis, TN 38137
	HS9911	AB	Yellow	2X	
	HS97	AB	Yellow	2X	
	HS88	A	Yellow	2X	
	HS60	B	Yellow	2X(Mod)	
Jacobi	6780	A	Yellow	2X	Triple J Seed Farms R.R. #1 McCordsville, IN 46055
	6720	A	Yellow	2X	
	6901	A	Yellow	2X	
	8950	B	Yellow	2X	
	9250	B	Yellow	2X	
	9200	B	Yellow	2X	
	8901	A	Yellow	2X	
	9251	B	Yellow	2X(Mod)	
Jacques	8210	A	Yellow	2X	Jacques Seed Company 720 St. Croix St. Prescott, WI 54021
	8250	B	Yellow	2X	
	8400	A	Yellow	2X	
	7910	A	Yellow	2X	
	9220	B	Yellow	2X	
	8510	AB	Yellow	2X	
Jader	115	A	Yellow	2X	Ridgeway Seed Company Box 212 Ridgeway, IL 62979
	316	A	Yellow	2X	
McCurdy	7477	A	Yellow	2X	McCurdy Seed Company P.O. Box 66 Fremont, IA 52561
	7660	A	Yellow	2X	
	7777	AB	Yellow	2X	
Noble Bear	NBX720W	A	White	2x	NobleBear, Inc. P.O. Box 529 Gibson City, IL 60936
	NB855	A	Yellow	2X	
ORO Hybrids	OR0180	A	Yellow	2X	R.C. Young Seed Company 624 27th Street Lubbock, TX 79404
	OR0188	A	Yellow	2X	
	OR0151	B	Yellow	2X	
Pioneer Brand	3154	AB	Yellow	2X	Pioneer Hi-Int'l. 1000 West Jefferson St. Tipton, IN 46072
	3295	A	Yellow	2X	
	3142	A	Yellow	2X	
	3144W	A	White	2X	
	3147	B	Yellow	2X	
	3187	B	Yellow	2X	
	3140	A	Yellow	2X	
	3343	A	Yellow	2X	
	3165	A	Yellow	2X	
	3180	A	Yellow	2x	

TABLE 2.—HYBRIDS TESTED (continued)

	Hybrid	Test*	Color	Cross**	Source
Prairie Stream	SX702	A	Yellow	2X	Prairie Stream Farms Route 3, Box 333 Frankfort, IN 46041
	SX726	A	Yellow	2X	
	M7000	A	Yellow	2X	
Scott Seed	LR3345	A	Yellow	2X	Scott Seed Company, Inc. P.O. Box 849 New Albany, IN 47150
	LR5241	A	Yellow	2X	
	LR3350	A	Yellow	2X	
	LR5272	B	Yellow	2X	
Seedex	1135	A	Yellow	2X	Seedex Seeds P.O. Box 231 Sheridan, IN 46069
	1155	A	Yellow	2X	
	1175	A	Yellow	2X	
So. Cross	411	A	Yellow	2X	Miles Seed 2760 Keller Rd. Owensboro, KY 42301
	511	A	Yellow	2X	
	611	A	Yellow	2X	
	711	A	Yellow	2X	
So. States	SS790	A	Yellow	2X	Southern States Coop., Inc. P.O. Box 26234 Richmond, VA 23260
	SS793	A	Yellow	2X	
	SS847	A	Yellow	2X	
	SS907	A	Yellow	2X	
	SS814V	B	Yellow	2X	
	SS917W	A	White	2X	
	SS844V	B	Yellow	2X	
SS934V	B	Yellow	2X		
Spec. Grains	SGI 1300	A	Yellow	2X	Specialty Grains Inc. 3001 Gill Street Bloomington, IL 61704
	SGI 3100	A	Yellow	2X	
Stewart Hybrids	8815	A	Yellow	2X	Stewart Hybrids Inc. Route 1, Box 8 Princeville, IL 61559
	8432	A	Yellow	2X	
	9012	A	Yellow	2X	
	37L3L	A	Yellow	2X	
Super Croft	7195	B	Yellow	2X	Edward J. Funk & Sons, Inc. 601 Funk Parkway, P.O. Box 67 Kentland, IN 47951
	W700	A	White	2X	
	W707	A	White	2X	
	7810	A	Yellow	2X	
	(Sunbelt)	1839	A	Yellow	
(SunBelt)	X1860	B	Yellow	2X	

TABLE 4.—ANNUAL SUMMARY, BENTON

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
<u>YELLOW HYBRIDS</u>						
DEKALB DK711	123.8	116.9	105.2	24.0	88.9	2.1
FR27 X M017	121.6	125.0	102.5	21.8	87.5	1.6
CARGILL 9027		125.9	101.1	23.8	84.7	1.7
CROW'S 688	110.7	107.5	98.7	22.4	81.0	9.5
SO. STATES SS793			97.3	24.1	87.5	0.6
PIONEER BRAND 3154			96.6	22.9	84.3	24.4
FUNK'S G-4543			95.7	22.1	90.3	1.0
PIONEER BRAND 3180			95.7	21.9	91.7	1.0
NOBLEBEAR NB855			95.4	22.0	91.7	1.5
CALLAHAN C776			95.3	22.3	90.7	0.0
JADER 115			95.1	21.9	92.1	2.0
MCCURDY 7777	124.8	114.3	95.1	23.2	91.2	6.6
UN. AGRI PR. UAPX5002			94.1	22.9	95.4	0.0
CARGILL 8427			93.9	22.3	89.8	2.6
SEDEX 1135			91.8	21.9	90.7	4.0
THE NEW N-K N8727		118.4	91.7	23.9	88.9	2.3
BO-JAC 9250			91.6	24.1	94.4	0.5
ZIMMERMAN Z27	125.3	120.6	91.4	24.1	89.8	4.0
COLBERT 326	120.1	113.8	90.4	22.7	83.3	3.8
GARST SEED 8250			90.0	21.7	91.7	3.5
SO. CROSS 411	108.3	105.6	89.9	21.6	94.4	0.0
ADLERS 6130		119.8	89.5	21.5	88.0	0.0
CALLAHAN C773A			89.0	22.0	82.4	1.2
SEDEX 1175			88.9	21.2	86.6	2.0
SEDEX 1155			88.8	23.9	86.1	0.0
GLICK SEED GH80X	118.7	118.8	88.8	22.8	89.8	3.6
SO. STATES SS790			88.5	20.8	86.1	0.0
JACOBI 6780			88.4	22.1	87.5	2.7
GOLDEN ACRES GA9586			88.3	23.6	89.4	8.3
AGRATECH GK900	115.3	113.2	88.3	23.8	85.2	5.3
BO-JAC 905	115.8	107.1	88.0	23.4	90.3	0.5
COLBERT 313	112.1	113.3	87.8	21.8	92.6	2.1
STEWART HYBRIDS 9012			87.7	22.3	81.0	3.9
ORO HYBRIDS ORO188			87.4	23.0	88.0	17.3
BECK'S 81X			87.0	22.7	85.6	0.0
DEKALB DK689	113.7	111.5	85.7	23.6	84.7	4.2
ORO HYBRIDS ORO180	112.7	111.1	85.6	21.3	83.3	17.9
THE NEW N-K C8625			85.5	22.9	89.4	0.0
TERRA SEEDS TR1170		115.1	85.2	21.7	80.1	2.6
HYPERFORMER HS9773			85.2	19.9	88.0	9.0
STEWART HYBRIDS 37L3L			85.1	19.8	81.5	0.6
GARST SEED 8315	119.3	113.5	84.8	23.8	91.7	7.8
DEKALB DK643			84.7	19.2	80.1	5.9
THE NEW N-K N6330			84.5	20.4	91.7	3.3
CAVERNDAL FM. CF6065	115.1	106.0	84.4	22.5	77.3	4.7
TERRA SEEDS TR367E			83.6	22.7	81.5	3.1
CAVERNDAL FM. CF975			83.6	22.6	88.0	2.0
COLBERT 324			82.8	23.2	96.3	0.9
BECK'S 72X	107.8	104.0	82.8	21.1	84.7	6.1
GLICK SEED GH82X		103.9	82.8	22.2	85.2	11.2
CAVERNDAL FM. CF950		105.2	82.8	23.0	87.5	1.3
SCOTT SEED LR3350			82.5	22.0	89.4	1.6
STEWART HYBRIDS 8432			82.4	23.1	82.9	0.0
SO. CROSS 611		105.2	82.3	18.9	75.9	15.9
JACOBI 8901		112.9	82.2	21.9	83.3	1.5
FUNK'S G-4666	109.7	101.0	81.7	22.8	96.3	3.8
SUPER CROST 7810			81.2	23.2	88.0	7.9
TERRA SEEDS TR1180	119.6	110.4	81.1	22.2	91.2	1.5
DEKALB DK677		101.0	81.0	21.5	93.1	3.5
GOLDEN AC. T-E 6996	116.9	109.0	80.7	22.8	87.0	10.5
SO. STATES SS847		103.7	80.5	22.8	89.8	1.5
UN. AGRI PR. UAPX5003			80.3	23.6	81.5	0.0
JACQUES 8510			80.1	24.3	89.4	1.0
PIONEER BRAND 3140	114.5	114.8	79.8	21.4	89.8	9.2
PRAIRIE STREAM SX702	110.2	103.9	79.7	19.1	87.0	17.3
CAVERNDAL FM. CF925		112.5	79.4	21.4	89.8	0.5
AGRATECH 825	111.5	106.0	79.2	22.5	83.3	3.3
JACOBI 6901			79.1	18.7	79.6	15.2
PIONEER BRAND 3295	105.0	96.9	79.1	21.9	90.3	4.8
JACQUES 8210	103.6	105.0	78.9	23.4	92.1	1.1
HUBNER SEED H3315			78.8	23.0	88.4	1.0

TABLE 2.—HYBRIDS TESTED (continued)

	Hybrid	Test*	Color	Cross**	Source
Terra Seed	TR 367E	A	Yellow	2X	Terra Seed & Genetics 950 S. Broadway Lima, OH 45804
	TR 1190	A	Yellow	2X	
	TR 1180	AB	Yellow	2X	
	TR 1170	A	Yellow	2X	
The New N-K	C8625	A	Yellow	2X	Northrup-King & Company P.O. Box 959 Minneapolis, MN 55440
	N6330	A	Yellow	2X	
	N8727	A	Yellow	2X	
	S8645	B	Yellow	2X	
	X758	B	Yellow	2x	
	N8565W	A	White	2X	
United Agri	UAPX5001	A	Yellow	2X	United Agri Products 2514 82nd Street, Suite H Lubbock, TX 79423
	UAPX5002	A	Yellow	2X	
	UAPX5003	AB	Yellow	2X	
Zimmerman	Z14W	A	White	2X	Zimmerman Hybrids, Inc. 5147 W. Franklin Rd. Evansville, IN 47712
	Z20	A	Yellow	2X	
	Z27	A	Yellow	2X	
	Z35	B	Yellow	2X	
	Z61W	A	White	2X	
	Z36	A	Yellow	2X	
K.A.E.S.	FR27xLH38	A	Yellow	2X	Illinois Found. Seeds, Inc. P.O. Box 722 Champaign, IL 61820
	FR27xMo17	A	Yellow	2X	
	FR27xPa91	A	Yellow	2X	

* A = Performance Test, B = Virus Test

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

TABLE 3.—AGRONOMIC INFORMATION FOR 1990 TEST LOCATIONS

Location and Cooperator	Soil Type	Fertilizer Lb/Ac	Herbicide	Insecticide	Planting Dates	Harvest Dates	Comments
1) Benton, KY Eric Howell Route 1	Grenada Silt Loam	N - 175 P ₂ O ₅ --0 K ₂ O --0	Bicep & Princep	Counter	May 15	Sept. 26	No-till Soybean Residue
2) Princeton, KY Western Kentucky Res. & Ed. Center	Huntington & Lindsie Silt Loam	N - 150 P ₂ O ₅ -50 K ₂ O 100	Bronco & Aatrex	Counter	June 1	Oct. 15 & 16	No-till wheat stubble & weed residue
3) Morganfield, KY Lyle Waller	Huntington Fine Sandy Loam	N - 200 P ₂ O ₅ - 0 K ₂ O - 0	Sutazine	None	June 19	Not Harvested	Cultivated July 17
4) Owensboro, KY Miles Farm	Melvin Clay Loam	N - 110 P ₂ O ₅ -80 K ₂ O -68	Bicep & Gramoxone Extra	Counter	June 13	Nov. 1	
5) Franklin, KY Jack and Gary Summers	Baxter- Mt. View Silt Loam	N - 160 P ₂ O ₅ -60 K ₂ O - 90	Bicep	Counter	April 25	Sept. 18	
6) Shelbyville, KY Mike Ellis	Nicholson Silt Loam	N - 175 P ₂ O ₅ - 0 K ₂ O - 0	Princep, Aatrex and Banvel	Counter	April 23	Oct. 2 & Oct. 3	No-Till Soybean Residue
7) Frankfort, KY Wilbert and Roger Perkins	Huntington Silt Loam	N - 100 P ₂ O ₅ - 0 K ₂ O -100	Sutan + & Aatrex	Dyfonate	June 18	Nov. 14	Cultivated Three times
8) Lexington, KY K.A.E.S. Spindletop Farm	Lanton Silt Loam	N - 150 P ₂ O ₅ - 0 K ₂ O -100	Lasso & Aatrex	Counter	May 11	Sept. 27 & Sept. 28	
9) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N - 190 P ₂ O ₅ 120 K ₂ O -120	Eradicane Extra, Lasso, & Aatrex	Counter	May 24	Oct. 24 & Oct 26	Cultivated July 6

TABLE 4.—ANNUAL SUMMARY, BENTON

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
<u>YELLOW HYBRIDS</u>						
DEKALB DK711	123.8	116.9	105.2	24.0	88.9	2.1
FR27 X M017	121.6	125.0	102.5	21.8	87.5	1.6
CARGILL 9027		125.9	101.1	23.8	84.7	1.7
CROW'S 688	110.7	107.5	98.7	22.4	81.0	9.5
SO. STATES SS793			97.3	24.1	87.5	0.6
PIONEER BRAND 3154			96.6	22.9	84.3	24.4
FUNK'S G-4543			95.7	22.1	90.3	1.0
PIONEER BRAND 3180			95.7	21.9	91.7	1.0
NOBLEBEAR NB855			95.4	22.0	91.7	1.5
CALLAHAN C776			95.3	22.3	90.7	0.0
JADER 115			95.1	21.9	92.1	2.0
MCCURDY 7777	124.8	114.3	95.1	23.2	91.2	6.6
UN. AGRI PR. UAPX5002			94.1	22.9	95.4	0.0
CARGILL 8427			93.9	22.3	89.8	2.6
SEDEX 1135			91.8	21.9	90.7	4.0
THE NEW N-K N8727		118.4	91.7	23.9	88.9	2.3
BO-JAC 9250			91.6	24.1	94.4	0.5
ZIMMERMAN Z27	125.3	120.6	91.4	24.1	89.8	4.0
COLBERT 326	120.1	113.8	90.4	22.7	83.3	3.8
GARST SEED 8250		113.7	90.0	21.7	91.7	3.5
SO. CROSS 411	108.3	105.6	89.9	21.6	94.4	0.0
ADLERS 6130		119.8	89.5	21.5	88.0	0.0
CALLAHAN C773A			89.0	22.0	82.4	1.2
SEDEX 1175			88.9	21.2	86.6	2.0
SEDEX 1155			88.8	23.9	86.1	0.0
GLICK SEED GH80X	118.7	118.8	88.8	22.8	89.8	3.6
SO. STATES SS790			88.5	20.8	86.1	0.0
JACOBI 6780			88.4	22.1	87.5	2.7
GOLDEN ACRES GA9586			88.3	23.6	89.4	8.3
AGRATECH GK900	115.3	113.2	88.3	23.8	85.2	5.3
BO-JAC 905	115.8	107.1	88.0	23.4	90.3	0.5
COLBERT 313	112.1	113.3	87.8	21.8	92.6	2.1
STEWART HYBRIDS 9012			87.7	22.3	81.0	3.9
ORO HYBRIDS ORO188			87.4	23.0	88.0	17.3
BECK'S 81X			87.0	22.7	85.6	0.0
DEKALB DK689	113.7	111.5	85.7	23.6	84.7	4.2
ORO HYBRIDS ORO180	112.7	111.1	85.6	21.3	83.3	17.9
THE NEW N-K C8625			85.5	22.9	89.4	0.0
TERRA SEEDS TR1170		115.1	85.2	21.7	80.1	2.6
HYPERFORMER HS9773			85.2	19.9	88.0	9.0
STEWART HYBRIDS 37L3L			85.1	19.8	81.5	0.6
GARST SEED 8315	119.3	113.5	84.8	23.8	91.7	7.8
DEKALB DK643			84.7	19.2	80.1	5.9
THE NEW N-K N6330			84.5	20.4	91.7	3.3
CAVERNDAL FM. CF6065	115.1	106.0	84.4	22.5	77.3	4.7
TERRA SEEDS TR367E			83.6	22.7	81.5	3.1
CAVERNDAL FM. CF975			83.6	22.6	88.0	2.0
COLBERT 324			82.8	23.2	96.3	0.9
BECK'S 72X	107.8	104.0	82.8	21.1	84.7	6.1
GLICK SEED GH82X		103.9	82.8	22.2	85.2	11.2
CAVERNDAL FM. CF950		105.2	82.8	23.0	87.5	1.3
SCOTT SEED LR3350			82.5	22.0	89.4	1.6
STEWART HYBRIDS 8432			82.4	23.1	82.9	0.0
SO. CROSS 611		105.2	82.3	18.9	75.9	15.9
JACOBI 8901		112.9	82.2	21.9	83.3	1.5
FUNK'S G-4666	109.7	101.0	81.7	22.8	96.3	3.8
SUPER CROST 7810			81.2	23.2	88.0	7.9
TERRA SEEDS TR1180	119.6	110.4	81.1	22.2	91.2	1.5
DEKALB DK677		101.0	81.0	21.5	93.1	3.5
GOLDEN AC. T-E 6996	116.9	109.0	80.7	22.8	87.0	10.5
SO. STATES SS847		103.7	80.5	22.8	89.8	1.5
UN. AGRI PR. UAPX5003			80.3	23.6	81.5	0.0
JACQUES 8510			80.1	24.3	89.4	1.0
PIONEER BRAND 3140	114.5	114.8	79.8	21.4	89.8	9.2
PRAIRIE STREAM SX702	110.2	103.9	79.7	19.1	87.0	17.3
CAVERNDAL FM. CF925		112.5	79.4	21.4	89.8	0.5
AGRATECH 825	111.5	106.0	79.2	22.5	83.3	3.3
JACOBI 6901			79.1	18.7	79.6	15.2
PIONEER BRAND 3295	105.0	96.9	79.1	21.9	90.3	4.8
JACQUES 8210	103.6	105.0	78.9	23.4	92.1	1.1
HUBNER SEED H3315			78.8	23.0	88.4	1.0

TABLE 4.—BENTON (continued)

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS						
DEKALB DK715			78.5	22.9	87.5	0.6
MCCURDY 7660			78.5	23.2	81.9	1.1
MCCURDY 7477		100.7	78.4	23.0	94.4	1.0
PIONEER BRAND 3142			78.4	22.8	86.6	5.1
SCOTT SEED LR3345			78.4	21.3	85.2	0.6
AGRIGOLD A-6655	102.2	98.3	78.1	22.1	81.9	4.6
TERRA SEEDS TR1190		99.4	77.7	22.9	83.3	0.0
ASGROW RX947		101.2	77.5	24.7	85.2	0.6
SO. CROSS 511	102.4	95.7	76.9	22.7	86.6	15.1
JACQUES 8400	115.3	110.9	76.2	23.1	88.9	16.3
SO. CROSS 711			76.1	21.0	81.0	2.1
GOLDEN ACRES GA8559		95.3	75.9	23.7	91.2	0.0
BO-JAC 601			75.4	22.9	86.6	3.9
SO. STATES SS907		96.6	75.3	23.2	92.6	0.0
ZIMMERMAN Z20		111.5	75.0	23.5	78.2	4.8
CROW'S 669		101.7	74.9	23.0	81.9	3.9
GLICK SEED GH75X		97.8	74.7	22.0	84.7	1.6
CROW'S 670		98.0	74.6	21.5	87.5	4.3
CROW'S 682			74.5	22.1	84.3	2.8
JACQUES 7910			74.5	21.8	80.1	2.3
BECK'S 83X	115.4	105.6	74.2	23.3	86.6	1.0
AGRATECH 888		101.4	73.7	21.9	86.6	1.6
CARGILL 9427	117.4	104.5	73.7	24.4	81.9	3.2
ZIMMERMAN Z36		106.5	73.3	22.6	88.9	4.9
AGRI GOLD A-6715			73.1	22.8	84.7	1.6
UN. AGRI PR. UAPX50001			72.9	21.2	76.4	1.7
ASGROW RX908	112.2	97.9	72.5	21.9	88.4	2.2
FR27 X LH38	86.1	79.5	72.5	19.6	83.8	4.5
JADER 316		94.0	72.2	22.3	86.6	2.3
JACOBI 6720	99.2	88.0	72.1	21.5	75.5	2.9
AGRIGOLD A-6720		101.2	70.3	22.9	82.9	2.8
ASGROW RX911		100.8	69.8	23.6	92.1	2.0
PRAIRIE STREAM SX726		94.7	69.5	23.1	88.9	4.3
PIONEER BRAND 3343	109.3	105.2	69.4	22.6	85.6	2.2
CALLAHAN C781			68.8	23.5	83.3	1.7
HUBNER SEED H3717			67.7	22.6	86.6	1.7
HYPERFORMER HS9911			67.4	23.1	83.3	1.2
PRAIRIE STREAM M7000			66.5	21.4	85.6	0.5
FR27 X PA91	108.5	103.9	65.3	24.0	83.8	9.0
SUPER CROST 1839			64.8	24.5	84.3	2.8
STEWART HYBRIDS 8815	103.3	98.5	64.6	24.6	85.2	3.8
PIONEER BRAND 3165			63.6	24.5	82.4	8.6
SCOTT SEED LR5241		101.2	62.1	22.2	70.4	5.6
ADLERS 88X	108.7	91.9	60.1	23.9	80.6	19.7
HYPERFORMER HS97	102.1	90.5	53.5	22.5	76.4	4.1
YELLOW AVERAGE	112.0	105.2	81.2	22.5	86.4	4.0
WHITE HYBRIDS						
ASGROW RX956W	104.5	99.5	85.4	24.4	92.1	7.6
PIONEER BRAND 3144W	113.9	108.1	84.3	22.9	79.6	3.8
SPEC. GRAINS SGI 1300		123.5	83.4	24.7	86.6	12.1
CARGILL 9400W			79.2	24.6	90.7	3.7
SUPER CROST W707			77.2	24.7	88.4	5.7
THE NEW N-K N8565W			75.7	24.7	87.5	1.5
AGRIGOLD A-6796W	106.0	101.3	74.7	24.6	89.4	6.6
NOBLEBEAR NBX720W			73.7	22.7	89.8	5.7
FUNK'S G-4660W			72.7	24.4	82.4	12.0
ZIMMERMAN Z61W			71.5	22.8	78.2	0.0
SO. STATES SS917W	109.6	104.3	71.5	24.7	78.2	17.5
SPEC. GRAINS SGI 3100			67.9	24.0	69.9	9.0
SUPER CROST W700	109.5	96.0	67.6	23.5	84.3	20.7
HUBNER SEED H8819W			57.3	24.8	83.8	13.7
ZIMMERMAN Z14W	110.9	94.7	50.7	24.7	77.8	11.5
WHITE AVERAGE	109.1	103.9	72.9	24.1	83.9	8.7
GRAND AVERAGE	111.6	105.0	80.3	22.7	86.1	4.5
LSD (0.10)	11.7	14.3	17.7	1.2	8.9	7.0
C.V.			16.4	3.9	7.7	115.8

TABLE 5.—ANNUAL SUMMARY, PRINCETON

BRAND/HYBRID	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
<u>YELLOW HYBRIDS</u>				
COLBERT 326	145.4	25.8	93.1	5.2
AGRI GOLD A-6715	142.9	25.4	88.9	5.6
JACQUES 7910	142.8	26.1	90.3	5.4
SEDEX 1175	140.2	24.1	82.6	2.5
FR27 X M017	139.7	24.5	93.1	9.0
CAVERNDAL FM. CF975	138.1	24.2	85.4	6.6
CARGILL 9427	137.9	26.7	84.0	8.4
BO-JAC 9250	137.4	24.8	86.8	4.7
PIONEER BRAND 3165	136.9	26.9	85.4	10.6
PIONEER BRAND 3154	134.6	26.6	88.9	9.3
GARST SEED 8315	134.5	24.5	86.8	5.4
SO. CROSS 511	134.2	25.5	85.4	0.8
PRAIRIE STREAM M7000	133.1	24.8	84.7	4.1
TERRA SEEDS TR1180	132.8	26.0	89.6	6.2
SUPER CROST 7810	132.5	28.6	75.7	11.1
COLBERT 313	132.2	25.0	87.5	6.9
JACQUES 8210	132.1	25.9	86.8	5.4
DEKALB DK643	131.9	23.2	77.8	6.2
ADLERS 6130	131.4	25.8	84.7	4.6
ZIMMERMAN Z27	130.8	26.9	87.5	7.2
CROW'S 688	130.7	23.0	90.3	7.7
SCOTT SEED LR5241	130.6	25.6	81.2	1.8
STEWART HYBRIDS 9012	129.2	23.6	80.6	5.2
GLICK SEED GH80X	128.3	22.3	78.5	4.4
ORO HYBRIDS ORO180	128.1	24.4	89.6	7.9
SO. CROSS 711	128.1	24.1	87.5	4.0
JACOBI 6720	127.9	27.6	91.7	7.6
JACQUES 8510	127.7	24.9	83.3	5.8
HUBNER SEED H3315	127.4	24.5	87.5	4.0
CAVERNDAL FM. CF925	127.3	24.3	83.3	6.7
FR27 X PA91	126.5	26.8	88.9	10.0
HUBNER SEED H3717	125.6	27.1	87.5	0.7
FUNK'S G-4543	125.6	23.9	90.3	3.8
CARGILL 8427	125.3	24.1	91.0	4.5
PIONEER BRAND 3180	124.8	24.0	84.0	5.8
MCCURDY 7477	124.8	25.8	83.3	7.7
CALLAHAN C773A	124.4	24.6	88.9	6.3
DEKALB DK711	124.3	24.7	84.0	15.7
BECK'S 81X	123.9	26.5	69.4	2.1
ASGROW RX911	123.5	26.4	76.4	2.7
CALLAHAN C781	123.2	26.1	93.1	4.5
JACOBI 8901	122.8	25.1	84.7	8.3
AGRIGOLD A-6720	122.8	24.4	81.2	5.1
ASGROW RX908	122.6	28.4	89.6	5.4
UN. AGRI PR. UAPX5002	122.4	25.7	87.5	1.5
HYPERFORMER HS9773	121.9	22.8	91.7	6.5
GARST SEED 8250	121.8	23.5	85.4	10.6
COLBERT 324	120.4	26.0	86.8	4.1
JADER 115	120.3	24.8	80.6	2.8
PRAIRIE STREAM SX726	120.3	27.1	74.3	5.6
JADER 316	120.3	22.7	88.9	8.8
CROW'S 682	120.0	23.4	85.4	3.2
UN. AGRI PR. UAPX50001	119.2	24.7	81.2	3.5
GOLDEN ACRES GA9586	119.1	28.3	86.1	2.5
PIONEER BRAND 3295	118.5	23.6	86.8	3.2
ASGROW RX947	118.4	26.4	86.8	7.1
CARGILL 9027	118.2	26.5	91.0	4.4
FUNK'S G-4666	118.1	27.6	84.7	7.4
PIONEER BRAND 3343	117.0	21.7	83.3	3.3
GOLDEN ACRES GA8559	116.6	26.4	85.4	4.3
SEDEX 1155	116.1	24.8	81.2	3.6
TERRA SEEDS TR1190	115.5	27.1	84.7	9.7
AGRATECH 888	115.3	25.3	91.0	9.3
SCOTT SEED LR3345	115.2	24.7	81.2	5.9
CALLAHAN C776	114.9	24.6	79.2	6.2
BECK'S 83X	114.6	24.7	88.9	3.1
JACQUES 8400	113.9	26.4	86.1	4.8
NOBLEBEAR NB855	113.6	27.0	79.2	2.6
PIONEER BRAND 3140	113.2	25.8	81.9	5.9

TABLE 5.—PRINCETON (continued)

BRAND/HYBRID	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS				
ZIMMERMAN Z20	113.1	24.9	81.9	5.0
AGRIGOLD A-6655	112.9	23.0	91.7	9.0
THE NEW N-K N6330	112.6	21.8	79.9	3.6
ADLERS 88X	112.0	25.2	82.6	5.9
TERRA SEEDS TR1170	111.6	25.5	84.0	3.3
PRAIRIE STREAM SX702	111.2	25.4	88.9	3.2
MCCURDY 7660	110.9	27.9	85.4	3.6
SEDEX 1135	110.9	23.4	86.1	12.1
ZIMMERMAN Z36	110.4	23.2	86.1	1.7
TERRA SEEDS TR367E	110.3	26.5	83.3	10.0
ORO HYBRIDS ORO188	110.3	27.7	81.2	10.7
SO. STATES SS847	109.8	23.8	84.7	5.6
CAVERNDALE FM. CF950	109.2	24.9	81.9	6.8
HYPERFORMER HS97	109.2	24.2	85.4	4.1
STEWART HYBRIDS 8432	109.1	28.1	83.3	1.6
JACOBI 6780	108.7	23.1	78.5	3.5
MCCURDY 7777	107.8	26.8	81.2	7.5
CAVERNDALE FM. CF6065	106.9	25.1	81.2	10.1
CROW'S 670	106.8	26.3	82.6	9.2
SO. STATES SS907	105.2	25.6	92.4	5.3
AGRATECH 825	104.2	25.0	95.1	2.9
DEKALB DK689	104.0	24.1	91.0	2.4
THE NEW N-K N8727	103.5	25.3	80.6	4.3
STEWART HYBRIDS 37L3L	103.5	21.9	71.5	4.8
GLICK SEED GH75X	103.3	23.7	78.5	4.4
BO-JAC 601	103.2	23.4	77.8	7.6
GLICK SEED GH82X	102.8	24.7	67.4	6.0
HYPERFORMER HS9911	102.0	24.5	91.7	7.6
STEWART HYBRIDS 8815	101.1	25.4	86.1	3.2
THE NEW N-K C8625	101.0	24.5	81.9	5.9
BECK'S 72X	98.3	20.3	92.4	9.0
GOLDEN AC. T-E 6996	98.0	26.6	83.3	13.7
CROW'S 669	97.7	23.4	78.5	5.3
SO. STATES SS793	97.2	24.4	85.4	8.9
SUPER CROST 1839	96.3	26.8	93.7	1.5
SCOTT SEED LR3350	96.2	24.3	86.8	2.5
BO-JAC 905	94.8	24.1	91.0	4.0
PIONEER BRAND 3142	94.4	26.3	88.2	8.6
SO. CROSS 411	93.9	24.7	78.5	4.4
UN. AGRI PR. UAPX5003	92.3	24.8	70.8	11.6
JACOBI 6901	92.2	22.3	72.9	4.8
DEKALB DK715	91.3	26.2	74.3	7.8
AGRATECH GK900	91.3	25.5	79.2	7.8
FR27 X LH38	88.9	23.5	76.4	7.2
DEKALB DK677	88.4	24.5	85.4	8.4
SO. CROSS 611	85.6	25.5	77.1	3.6
SO. STATES SS790	80.7	21.9	68.7	8.5
YELLOW AVERAGE	116.3	25.1	84.3	5.9
WHITE HYBRIDS				
HUBNER SEED H8819W	131.1	28.6	91.7	12.2
CARGILL 9400W	127.8	27.1	91.0	3.8
ZIMMERMAN Z61W	127.2	24.8	83.3	4.2
SPEC. GRAINS SGI 1300	127.1	22.5	84.0	0.8
SO. STATES SS917W	122.0	26.0	84.7	14.1
FUNK'S G-4660W	108.7	25.6	87.5	7.2
NOBLEBEAR NBX720W	108.6	25.1	89.6	5.4
ASGROW RX956W	103.8	26.7	93.7	2.2
SUPER CROST W700	101.2	25.6	82.6	15.4
AGRIGOLD A-6796W	97.1	27.3	86.8	13.7
PIONEER BRAND 3144W	92.6	25.1	86.1	8.1
SUPER CROST W707	92.6	24.7	91.7	6.8
THE NEW N-K N8565W	91.1	27.7	77.8	0.9
SPEC. GRAINS SGI 3100	76.1	25.1	60.4	15.8
ZIMMERMAN Z14W	71.8	24.6	74.3	10.8
WHITE AVERAGE	105.2	25.8	84.4	8.1
GRAND AVERAGE	115.1	25.2	84.3	6.1
LSD (0.10)	38.1	2.6	12.1	7.0
C.V.	20.1	6.3	8.0	69.5

TABLE 6.—ANNUAL SUMMARY, OWENSBORO

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
<u>YELLOW HYBRIDS</u>						
ASGROW RX947		181.6	175.3	29.1	81.0	2.1
ADLERS 88X	157.7	174.6	160.7	28.2	83.3	5.6
ADLERS 6130		166.0	159.0	22.9	78.2	1.2
PIONEER BRAND 3295	170.7	181.3	158.9	22.1	86.1	4.4
UN. AGRI PR. UAPX50001			157.8	22.8	80.6	1.1
CARGILL 9027		167.4	157.2	28.5	87.0	0.6
TERRA SEEDS TR1180	154.5	160.4	156.0	26.0	80.6	0.6
BECK'S 72X	155.6	167.6	155.8	22.3	76.4	3.6
PIONEER BRAND 3343	159.9	170.0	153.9	24.7	83.8	5.7
PRAIRIE STREAM SX702	154.1	173.1	153.8	24.0	87.0	1.6
JACQUES 8510			152.7	25.6	77.3	1.1
CAVERNDALE FM. CF950		159.1	151.5	27.2	78.7	2.8
BECK'S 83X	149.3	158.0	151.3	25.3	88.4	2.7
FR27 X PA91	157.7	177.2	150.1	28.7	88.4	6.1
DEKALB DK643			148.9	21.0	81.9	0.0
GARST SEED 8315	154.5	166.2	148.0	24.7	79.6	3.4
AGRATECH GK900	143.0	155.2	147.8	26.4	81.0	0.6
AGRIGOLD A-6655	156.0	166.4	145.8	25.9	76.9	2.4
ASGROW RX908	161.0	166.3	145.8	29.0	73.6	1.3
SO. CROSS 511	140.0	142.7	145.1	24.1	80.1	1.2
CARGILL 8427			144.9	25.6	76.9	0.7
COLBERT 326	166.5	173.7	144.8	25.2	80.6	1.5
GARST SEED 8250		162.9	144.4	25.2	83.3	0.5
AGRATECH 888		155.6	144.1	26.9	81.0	0.6
STEWART HYBRIDS 8432			144.0	27.3	79.2	0.0
CROW'S 688	140.2	150.3	143.7	24.8	78.7	0.6
ZIMMERMAN Z27	131.1	133.8	143.2	27.5	84.7	1.2
SO. STATES SS790			143.2	26.4	78.7	1.1
AGRI GOLD A-6715			142.9	24.8	84.7	0.0
ORO HYBRIDS ORO180	137.9	151.9	142.9	23.6	85.2	3.5
JACOBI 8901		145.8	142.9	26.6	88.9	1.1
BO-JAC 905	150.6	161.1	142.7	26.0	78.2	0.0
PIONEER BRAND 3140	155.6	161.8	142.7	24.0	84.7	0.6
SO. CROSS 711			142.7	22.1	73.1	0.7
GOLDEN ACRES GA9586			142.5	26.4	89.4	1.6
FR27 X M017	146.5	155.0	141.8	24.6	81.0	1.7
ORO HYBRIDS ORO188			141.1	26.8	81.5	5.6
BO-JAC 9250			140.9	24.0	77.3	0.7
DEKALB DK715			140.9	26.7	77.3	1.7
PIONEER BRAND 3165			140.7	32.5	80.6	0.5
TERRA SEEDS TR367E			140.5	29.1	74.5	1.3
PIONEER BRAND 3180			140.1	25.9	80.6	2.4
CROW'S 669		143.6	139.5	26.1	80.6	0.0
JADER 316		143.5	139.5	22.1	80.1	1.2
CALLAHAN C781			139.2	26.4	74.1	0.0
MCCURDY 7777	151.8	154.9	138.5	25.1	70.4	2.9
FUNK'S G-4666	158.2	164.2	138.4	26.9	75.5	0.6
SCOTT SEED LR3350			138.2	24.8	80.6	1.1
BECK'S 81X			137.7	23.9	80.6	0.6
PRAIRIE STREAM SX726		157.2	137.3	29.2	73.6	3.0
CROW'S 670		150.8	136.9	26.2	72.7	3.2
SEEDEX 1135			136.8	27.7	74.1	3.8
SO. STATES SS793			136.7	24.3	75.5	0.0
SUPER CROST 7810			136.4	27.9	69.9	2.6
CALLAHAN C776			136.2	23.9	81.0	0.6
AGRIGOLD A-6720		156.3	136.0	24.9	78.2	3.7
CROW'S 682			135.8	20.8	75.9	0.0
MCCURDY 7660			135.8	26.9	75.9	3.2
MCCURDY 7477		150.4	135.7	25.2	81.0	0.5
CAVERNDALE FM. CF925		146.9	135.6	25.4	85.2	0.5
UN. AGRI PR. UAPX5002			135.6	26.8	86.1	1.1
JACOBI 6780			134.8	22.4	82.9	1.6
GOLDEN AC. T-E 6996	132.7	130.4	134.0	27.2	87.5	1.6
HUBNER SEED H3717			134.0	25.0	69.9	0.0
TERRA SEEDS TR1190		143.3	133.7	27.9	79.6	0.6
JACOBI 6720	134.8	141.2	133.4	28.1	76.4	0.0
JACQUES 7910			132.2	24.5	72.7	0.6
HYPERFORMER HS9773			132.0	24.5	79.2	2.3
PIONEER BRAND 3154			131.8	27.9	78.7	3.0

TABLE 6.—OWENSBORO (continued)

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS						
GOLDEN ACRES GA8559		143.1	131.5	26.9	86.1	2.3
COLBERT 324			131.0	23.5	78.7	0.0
PRAIRIE STREAM M7000			130.7	28.6	78.7	0.0
THE NEW N-K N8727		155.3	130.6	29.6	76.4	0.0
THE NEW N-K C8625			130.6	21.4	78.7	2.2
ZIMMERMAN Z20		153.6	130.5	23.9	80.6	0.0
GLICK SEED GH82X		150.2	130.5	27.2	85.2	1.2
DEKALB DK711	145.5	157.2	130.4	27.6	81.5	0.6
PIONEER BRAND 3142			130.3	26.0	81.9	0.0
SEDEX 1155			130.1	22.3	74.5	0.6
SO. CROSS 611		146.4	129.8	24.2	68.1	3.5
CALLAHAN C773A			129.5	22.6	81.0	1.7
STEWART HYBRIDS 8815	143.7	146.6	129.4	29.0	85.2	0.0
SUPER CROST 1839			129.3	25.9	81.5	1.7
BO-JAC 601			129.2	24.3	74.1	2.4
JADER 115			128.6	22.6	74.5	1.9
CAVERNDALE FM. CF6065	140.8	142.5	128.2	26.5	68.1	1.3
JACQUES 8400	154.7	155.5	128.2	28.3	79.2	0.0
SO. STATES SS847		148.6	128.1	26.5	72.2	0.6
ZIMMERMAN Z36		147.9	127.8	24.4	86.1	1.0
AGRATECH 825	139.9	144.1	127.8	25.5	81.0	0.0
SCOTT SEED LR3345			127.8	28.2	72.2	0.7
DEKALB DK689	131.6	138.4	127.2	25.5	69.4	1.3
TERRA SEEDS TR1170		144.8	126.4	24.5	79.2	0.0
FUNK'S G-4543			126.2	23.6	75.9	0.0
DEKALB DK677		156.9	126.1	26.2	82.4	0.0
STEWART HYBRIDS 37L3L			125.7	23.5	75.5	0.0
SO. STATES SS907		142.0	125.7	26.5	67.6	1.3
NOBLEBEAR NB855			125.4	26.1	77.3	1.2
JACQUES 8210	144.7	150.7	124.9	26.4	74.5	1.2
GLICK SEED GH80X	145.9	151.0	124.8	25.8	74.1	0.7
ASGROW RX911		144.8	123.1	25.8	71.8	0.8
CAVERNDALE FM. CF975			122.5	26.6	73.1	0.0
UN. AGRI PR. UAPX5003			121.3	25.8	66.2	2.7
SEDEX 1175			121.1	26.3	77.3	0.0
JACOBI 6901			121.0	22.6	62.5	7.0
HYPERFORMER HS9911			120.4	25.3	79.2	0.0
FR27 X LH38	125.3	132.1	119.6	19.9	74.1	3.8
COLBERT 313	140.7	149.0	119.4	23.6	87.0	0.6
HYPERFORMER HS97	136.8	135.8	118.2	25.5	81.5	2.8
STEWART HYBRIDS 9012			116.0	23.4	67.6	2.5
SCOTT SEED LR5241		135.6	114.3	26.2	78.7	2.3
CARGILL 9427	154.8	159.4	114.3	29.5	74.5	5.0
SO. CROSS 411	132.6	139.9	114.1	23.7	73.1	0.6
HUBNER SEED H3315			109.4	23.2	79.6	1.9
GLICK SEED GH75X		138.3	105.2	22.9	65.3	1.4
THE NEW N-K N6330			103.9	19.8	73.1	0.0
YELLOW AVERAGE	147.3	153.5	135.7	25.5	78.4	1.5
WHITE HYBRIDS						
SO. STATES SS917W	147.1	165.7	158.8	27.5	81.9	1.1
NOBLEBEAR NBX720W			144.4	23.7	72.7	3.3
ASGROW RX956W	146.5	159.0	140.6	28.0	81.5	1.8
ZIMMERMAN Z61W			139.6	25.3	74.1	1.2
SPEC. GRAINS SGI 1300		152.7	136.9	25.6	69.4	0.0
AGRIGOLD A-6796W	142.6	161.2	134.8	29.1	89.4	5.8
CARGILL 9400W			129.0	29.0	77.8	1.7
PIONEER BRAND 3144W	155.0	164.0	128.1	23.1	76.9	1.9
HUBNER SEED H8819W			127.2	29.1	72.2	0.0
SUPER CROST W707			124.5	32.4	75.0	0.6
THE NEW N-K N8565W			123.0	30.6	67.6	0.0
SUPER CROST W700	134.3	147.9	120.7	32.3	86.1	3.2
FUNK'S G-4660W			120.2	30.3	75.9	0.0
ZIMMERMAN Z14W	133.8	140.3	115.6	33.0	72.2	0.7
SPEC. GRAINS SGI 3100			101.2	27.0	56.0	1.8
WHITE AVERAGE	143.2	155.8	129.6	28.4	75.2	1.5
GRAND AVERAGE	146.8	153.7	135.0	25.8	78.1	1.5
LSD (0.10)	12.7	15.0	18.2	2.5	10.1	2.8
C.V.			10.0	7.2	9.6	138.7

TABLE 7.—ANNUAL SUMMARY, FRANKLIN

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOT %
	BU/AC 88-90	BU/AC 89-90	BU/AC 1990	MOIST 1990	STAND 1990	LODGED 1990
YELLOW HYBRIDS						
UN. AGRI PR. UAPX5002			87.6	18.7	84.3	2.2
STEWART HYBRIDS 9012			83.5	18.1	80.6	0.6
ZIMMERMAN Z27	86.8	103.8	82.4	18.1	85.6	4.3
PIONEER BRAND 3154			82.3	17.2	86.1	14.6
JACQUES 8210	80.4	101.6	79.9	18.6	85.2	6.0
CAVERNDALE FM. CF950		98.9	79.3	18.8	77.8	0.0
JACQUES 7910			79.2	18.0	76.4	2.0
DEKALB DK715			78.9	20.0	81.5	1.0
PRAIRIE STREAM SX702	85.9	96.4	78.3	16.5	78.2	9.1
BECK'S 72X	88.6	108.3	77.7	17.3	86.6	5.4
DEKALB DK711	80.3	96.8	77.0	18.5	84.3	2.2
PIONEER BRAND 3140	83.9	91.1	76.1	17.0	79.2	1.2
GARST SEED 8250		101.8	76.0	17.0	82.9	0.5
GOLDEN ACRES GA8559		88.8	73.0	17.9	83.3	2.2
PIONEER BRAND 3180			72.5	17.1	86.1	2.8
JACQUES 8510			72.1	17.8	91.2	3.6
DEKALB DK677		95.6	71.9	17.6	89.4	0.0
SEEDEX 1175			71.8	18.8	82.4	2.3
AGRIGOLD A-6720		102.6	71.8	18.3	81.5	1.1
BO-JAC 601			71.6	18.0	76.9	1.2
THE NEW N-K C8625			71.5	18.1	86.1	0.0
CROW'S 669		94.3	71.5	17.9	86.1	1.0
ADLERS 6130		96.1	70.3	17.5	80.6	2.2
PIONEER BRAND 3343	76.9	96.4	70.1	17.1	84.3	0.5
ZIMMERMAN Z36		84.4	70.0	18.7	88.9	4.1
SO. CROSS 511	76.1	91.1	69.9	17.4	79.6	5.2
JACOBI 8901		70.6	69.7	19.1	76.9	2.5
GLICK SEED GH82X		99.3	69.5	17.8	74.5	3.1
CAVERNDALE FM. CF6065	66.9	76.8	69.5	18.9	73.1	0.0
COLBERT 324			69.2	17.9	83.3	2.3
STEWART HYBRIDS 37L3L			69.0	17.5	75.5	6.2
NOBLEBEAR NB855			68.7	19.6	83.8	1.7
SO. STATES SS790			68.7	17.1	90.7	2.6
TERRA SEEDS TR1170		87.5	68.6	18.7	78.2	2.5
HYPERFORMER HS9773			68.4	16.6	81.5	13.1
DEKALB DK643			68.1	17.1	91.7	3.4
SO. CROSS 611		75.0	68.1	18.8	74.1	4.3
SCOTT SEED LR5241		89.6	68.0	17.4	80.1	2.5
FR27 X M017	74.3	94.1	68.0	18.1	74.5	0.6
SO. CROSS 411	64.3	88.5	67.9	18.4	90.7	0.5
STEWART HYBRIDS 8815	79.5	96.4	67.7	19.8	88.0	3.2
GLICK SEED GH75X		88.3	67.3	16.8	75.0	3.8
SEEDEX 1135			66.8	17.8	76.4	0.0
BECK'S 81X			66.8	17.8	76.4	2.3
MCCURDY 7477		96.9	66.5	17.7	85.6	0.0
GOLDEN AC. T-E 6996	79.8	92.6	66.4	19.1	80.1	3.8
THE NEW N-K N6330			66.3	15.9	89.4	0.5
ASGROW RX911		86.5	66.2	17.3	80.1	3.9
PIONEER BRAND 3165			66.1	19.6	84.7	0.5
AGRATECH 825	66.6	87.7	66.0	18.3	83.8	1.7
FUNK'S G-4666	83.4	92.9	65.8	18.5	81.9	1.1
AGRATECH GK900	73.6	84.2	65.8	18.9	78.2	3.8
ORO HYBRIDS ORO180	80.5	95.6	65.7	17.7	72.7	3.4
SO. STATES SS907		88.7	65.7	18.7	86.6	3.2
CARGILL 9427	75.7	96.1	65.5	17.5	74.1	3.3
CALLAHAN C776			65.3	17.3	87.5	1.1
JADER 115			65.1	19.7	79.2	2.3
UN. AGRI PR. UAPX50001			64.5	17.7	83.3	3.3
AGRATECH 888		74.4	64.3	17.0	75.0	4.2
GARST SEED 8315	87.7	99.8	64.2	17.5	77.8	14.5
JADER 316		86.1	63.5	17.7	89.4	0.5
CARGILL 9027		107.3	63.4	17.7	88.4	4.2
JACOBI 6901			63.2	16.7	68.5	11.4
JACQUES 8400	73.4	91.1	63.0	19.1	81.0	3.9
HUBNER SEED H3315			63.0	18.1	72.2	0.6
JACOBI 6780			62.9	19.2	86.1	1.1
COLBERT 326	79.2	81.3	62.9	17.1	87.0	6.8
CARGILL 8427			62.8	19.1	85.6	1.1
DEKALB DK689	77.7	90.9	62.7	19.4	83.8	3.6
PIONEER BRAND 3295	70.7	85.9	62.5	17.7	88.4	2.1
ZIMMERMAN Z20		84.4	62.5	19.3	73.6	3.3

TABLE 7.—FRANKLIN (continued)

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LOGGED 1990
YELLOW HYBRIDS						
TERRA SEEDS TR367E			62.0	20.1	75.0	0.9
AGRIGOLD A-6655	76.1	89.9	62.0	18.0	82.4	2.2
COLBERT 313	68.2	86.2	61.9	18.0	78.2	1.9
ORO HYBRIDS ORO188			61.6	18.7	81.0	4.5
CROW'S 688	70.7	84.0	61.1	18.0	78.7	10.5
CROW'S 682			61.1	16.9	78.2	4.2
JACOBI 6720	69.4	80.9	59.9	18.5	79.2	0.0
CAVERNDALE FM. CF925		88.0	59.6	18.8	90.3	0.5
TERRA SEEDS TR1180	71.9	82.4	59.5	17.7	83.8	0.0
SO. CROSS 711			59.4	17.5	81.9	3.3
GLICK SEED GH80X	64.4	76.8	59.1	18.6	85.2	0.5
PIONEER BRAND 3142			58.8	18.8	88.0	7.6
SO. STATES SS847		82.1	58.8	17.9	83.3	1.1
MCCURDY 7777	82.8	92.7	58.7	17.7	87.0	3.3
BO-JAC 905	73.5	92.6	57.8	20.0	79.6	3.4
SCOTT SEED LR3345			57.5	18.7	78.2	0.0
BO-JAC 9250			57.4	18.2	85.2	2.2
STEWART HYBRIDS 8432			57.0	17.9	86.1	3.7
SEDEX 1155			56.9	19.7	81.5	2.9
CROW'S 670		81.2	56.8	19.2	84.7	2.7
AGRI GOLD A-6715			56.8	17.4	77.3	3.2
CALLAHAN C781			56.6	18.7	80.6	1.1
BECK'S 83X	68.3	82.1	55.8	17.8	85.6	2.2
HUBNER SEED H3717			55.8	17.6	73.6	2.6
SCOTT SEED LR3350			55.1	18.4	77.8	6.6
ASGROW RX908	74.3	90.7	54.0	17.5	82.4	3.1
CALLAHAN C773A			52.9	17.4	87.0	2.2
CAVERNDALE FM. CF975			52.8	18.1	85.6	4.4
GOLDEN ACRES GA9586			52.2	19.2	87.0	2.7
FUNK'S G-4543			52.0	17.8	84.7	1.6
UN. AGRI PR. UAPX5003			52.0	19.0	69.9	4.1
SO. STATES SS793			51.7	19.1	86.1	0.6
FR27 X LH38	58.1	70.8	50.9	17.7	74.5	0.7
SUPER CROST 1839			49.8	19.2	74.1	1.8
FR27 X PA91	69.1	80.0	49.3	19.6	89.4	4.1
ASGROW RX947		84.4	48.6	20.2	77.3	2.5
SUPER CROST 7810			48.2	18.6	83.8	5.0
ADLERS 88X	65.6	82.5	47.9	18.7	85.2	1.6
MCCURDY 7660			47.8	17.9	67.6	5.2
THE NEW N-K N8727		81.3	47.5	19.3	83.3	1.9
HYPERFORMER HS9911			46.0	17.5	84.3	1.2
TERRA SEEDS TR1190		75.3	45.9	17.4	81.9	5.1
PRAIRIE STREAM SX726		86.6	40.2	19.1	84.7	1.6
HYPERFORMER HS97	73.6	82.5	38.4	17.6	84.3	6.1
PRAIRIE STREAM M7000			38.3	19.2	74.5	2.5
YELLOW AVERAGE	74.8	89.1	63.5	18.2	81.7	3.0
WHITE HYBRIDS						
NOBLEBEAR NBX720W			73.8	18.1	75.0	7.3
SPEC. GRAINS SGI 1300		95.2	70.2	18.1	75.5	5.7
SPEC. GRAINS SGI 3100			67.1	18.2	66.7	8.6
HUBNER SEED H8819W			67.0	21.6	86.1	1.6
CARGILL 9400W			66.5	19.1	85.2	6.0
ZIMMERMAN Z14W	66.4	83.8	65.3	18.8	88.9	10.2
AGRIGOLD A-6796W	58.6	80.4	60.7	19.0	90.7	10.9
SUPER CROST W707			55.5	19.7	87.5	1.6
FUNK'S G-4660W			54.2	21.1	82.4	1.7
SUPER CROST W700	64.7	78.7	54.1	18.9	83.8	9.4
ASGROW RX956W	66.3	91.4	53.0	20.3	79.6	3.9
ZIMMERMAN Z61W			50.8	17.6	86.1	3.2
THE NEW N-K N8565W			49.0	20.3	87.5	1.0
PIONEER BRAND 3144W	72.5	80.0	45.7	19.3	79.2	0.6
SO. STATES SS917W	57.1	79.0	35.0	20.5	83.3	4.4
WHITE AVERAGE	64.3	84.0	57.8	19.4	82.5	5.1
GRAND AVERAGE	73.4	88.6	62.9	18.3	81.8	3.2
LSD (0.10)	13.9	19.3	19.0	2.7	9.7	4.5
C.V.			22.5	7.0	8.9	104.8

TABLE 8.—ANNUAL SUMMARY, SHELBYVILLE

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LOGGED 1990
<u>YELLOW HYBRIDS</u>						
PIONEER BRAND 3165			140.6	24.8	80.3	1.2
PIONEER BRAND 3154			131.1	21.9	86.3	8.8
ZIMMERMAN Z27	139.8	155.4	130.6	22.8	85.5	5.9
MCCURDY 7777	141.9	151.2	130.3	21.8	83.8	13.8
UN. AGRI PR. UAPX50001			128.4	20.3	87.2	4.8
BO-JAC 9250			128.2	21.8	86.8	2.9
SO. STATES SS790			127.0	20.1	91.0	13.1
TERRA SEEDS TR1170		140.1	124.8	21.3	71.8	3.1
ADLERS 6130		146.9	123.3	19.5	85.0	10.5
TERRA SEEDS TR367E			122.5	23.8	79.1	1.7
STEWART HYBRIDS 8432			121.6	21.2	83.8	2.0
AGRATECH 825	127.2	140.6	121.3	21.4	86.3	2.4
DEKALB DK643			121.0	17.9	80.3	3.6
PRAIRIE STREAM SX702	146.8	148.2	120.6	20.4	89.3	30.7
JACOBI 6720	132.6		142.7	21.2	78.6	1.6
CAVERNDALE FM. CF925			120.0	20.3	82.5	0.0
THE NEW N-K C8625			119.5	22.1	87.2	2.5
CALLAHAN C776			119.3	21.5	91.0	2.4
DEKALB DK677		154.4	119.1	21.0	88.9	0.5
ASGROW RX908	141.1	149.7	119.0	21.5	91.9	7.0
SCOTT SEED LR3350			117.6	22.2	85.0	2.0
CAVERNDALE FM. CF950		145.9	117.0	22.7	80.3	3.5
CROW'S 688	132.7	142.6	116.9	20.3	82.9	16.7
SEEDEX 1135			116.8	20.4	87.6	7.8
PRAIRIE STREAM M7000			116.6	21.5	78.6	2.5
CALLAHAN C781			115.8	20.5	89.3	4.9
BO-JAC 905	132.8	142.9	115.7	21.6	85.5	4.9
PIONEER BRAND 3140	151.7	154.3	115.7	20.7	78.2	2.6
HYPERFORMER HS97	130.0	128.8	115.3	21.0	89.7	8.0
STEWART HYBRIDS 8815	128.2	139.0	115.2	21.8	87.6	1.9
DEKALB DK711	135.0	142.4	115.1	20.3	90.2	2.4
GOLDEN ACRES GA9586			115.0	23.1	89.3	9.8
CROW'S 670		145.2	114.7	22.3	73.1	4.0
SO. CROSS 411	119.5	122.6	114.4	19.0	88.5	1.4
THE NEW N-K N8727		145.9	114.4	24.2	84.6	0.0
FUNK'S G-4543			114.0	19.1	89.7	0.9
DEKALB DK715			113.8	21.4	88.5	8.4
SUPER CROST 1839			113.5	22.3	90.2	2.3
SO. STATES SS847		128.9	113.2	20.6	84.6	1.4
JACQUES 7910			113.1	18.4	86.8	2.9
CARGILL 9027		144.9	113.0	22.7	87.6	1.9
PIONEER BRAND 3142			112.8	21.9	86.3	10.0
HYPERFORMER HS9773			112.7	19.0	89.7	30.0
AGRIGOLD A-6720		137.2	112.7	21.8	93.2	4.0
BECK'S 81X			112.3	22.4	80.8	1.1
GARST SEED 8250		134.7	112.0	20.9	90.6	0.0
JACQUES 8210	134.4	145.7	112.0	20.0	89.7	2.3
GARST SEED 8315	141.8	148.6	111.6	23.7	85.5	14.5
CROW'S 682			111.6	19.6	75.2	11.7
MCCURDY 7477		137.5	111.5	19.0	91.5	1.4
ORO HYBRIDS ORO180	127.5	135.0	111.4	18.6	85.5	14.6
CROW'S 669		122.6	111.0	20.8	82.9	4.6
COLBERT 326	128.9	132.5	110.8	22.2	80.3	21.0
JACOBI 6780			110.3	21.1	91.5	3.2
JACOBI 6901			110.2	19.5	70.5	19.9
HUBNER SEED H3717			110.1	23.1	82.9	1.6
SO. STATES SS793			110.1	20.2	88.5	0.9
FR27 X PA91	128.6	134.7	110.0	22.8	88.9	6.6
TERRA SEEDS TR1180	129.8	133.3	109.8	21.0	81.6	2.6
COLBERT 324			109.5	23.6	87.2	3.9
GLICK SEED GH80X	125.9	140.2	109.3	19.7	89.3	2.4
GOLDEN AC. T-E 6996	140.9	148.7	108.8	21.7	82.5	21.0
HUBNER SEED H3315			108.8	18.8	79.1	3.0
ADLERS 88X	121.6	132.1	108.0	23.7	86.8	11.8
SO. CROSS 611		145.0	107.8	20.5	76.5	28.3
SO. CROSS 711			107.4	20.2	80.3	1.0
PIONEER BRAND 3343	123.8	131.7	107.2	18.5	85.9	1.5
FUNK'S G-4666	124.2	128.2	107.1	20.6	92.7	2.8
GOLDEN ACRES GA8559		130.2	106.7	19.5	86.3	1.0
AGRATECH 888		126.4	106.6	21.0	78.6	1.6

TABLE 8.—SHELBYVILLE (continued)

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS						
STEWART HYBRIDS 37L3L			106.3	19.3	80.8	10.6
AGRIGOLD A-6655	128.1	134.6	105.9	19.5	84.6	7.0
FR27 X LH38	115.5	121.2	105.7	17.2	83.3	10.9
UN. AGRI PR. UAPX5002			105.1	18.7	93.6	2.3
PRAIRIE STREAM SX726		132.4	104.6	23.1	84.2	2.9
SO. STATES SS907		130.5	104.6	21.6	82.9	5.1
SEEDEX 1155			104.6	20.5	79.1	4.5
PIONEER BRAND 3180			104.4	19.5	85.9	5.9
JACOBI 8901		129.7	104.1	20.9	73.9	8.3
CALLAHAN C773A			104.1	19.5	91.0	10.1
GLICK SEED GH75X		133.6	104.0	19.5	81.2	2.6
ORO HYBRIDS ORO188			104.0	21.5	80.8	12.2
ASGROW RX911		131.5	103.6	20.6	80.8	4.1
CARGILL 8427			103.5	19.6	93.2	0.0
HYPERFORMER HS9911			103.1	20.4	85.5	7.8
MCCURDY 7660			102.4	19.3	78.2	0.5
STEWART HYBRIDS 9012			101.3	20.1	83.8	6.6
ASGROW RX947		133.5	101.0	22.8	88.0	3.8
BECK'S 72X	128.3	141.2	101.0	18.9	87.6	37.7
SO. CROSS 511	124.8	124.9	100.9	20.3	82.9	9.4
AGRATECH GK900	138.9	139.0	100.9	21.9	83.3	16.2
UN. AGRI PR. UAPX5003			100.0	21.0	78.6	12.9
AGRI GOLD A-6715			100.0	22.7	85.0	11.5
COLBERT 313	112.6	125.5	99.2	20.9	88.0	2.0
BECK'S 83X	128.2	134.1	99.0	19.6	88.5	0.0
SCOTT SEED LR5241		128.1	98.9	22.2	70.5	14.4
JACQUES 8400	119.3	125.9	98.7	22.5	83.8	27.3
CAVERNDALE FM. CF6065	121.9	130.1	98.1	21.0	67.1	5.0
SUPER CROST 7810			98.1	22.9	81.2	5.7
SEEDEX 1175			97.6	20.9	80.8	4.8
DEKALB DK689	132.2	131.4	97.6	23.5	84.2	34.2
FR27 X MO17	116.5	128.0	96.8	19.1	84.6	13.2
ZIMMERMAN Z20		121.4	96.4	21.6	81.2	8.3
CARGILL 9427	129.6	136.6	96.3	21.2	84.6	8.9
BO-JAC 601			94.7	22.2	76.5	6.6
JADER 316		128.5	94.5	19.2	85.5	7.5
PIONEER BRAND 3295	133.1	143.0	94.5	20.4	91.0	4.2
JACQUES 8510			94.5	20.8	91.9	18.9
GLICK SEED GH82X		123.1	94.4	20.0	81.2	3.1
ZIMMERMAN Z36		126.6	92.7	19.8	88.9	5.8
JADER 115			92.4	18.9	75.6	6.7
TERRA SEEDS TR1190		127.7	90.5	20.6	87.2	17.3
THE NEW N-K N6330			89.3	18.7	88.0	2.4
CAVERNDALE FM. CF975			88.7	20.0	79.9	4.8
NOBLEBEAR NB855			87.6	20.1	84.2	3.5
SCOTT SEED LR3345			85.7	19.5	78.6	9.1
YELLOW AVERAGE	130.2	136.3	109.3	20.9	84.4	7.2
WHITE HYBRIDS						
SUPER CROST W707			122.2	25.0	83.8	13.2
HUBNER SEED H8819W			113.4	24.2	89.3	6.3
SPEC. GRAINS SGI 1300		134.6	112.9	20.5	79.9	18.4
NOBLEBEAR NBX720W			112.8	21.4	73.1	7.0
ZIMMERMAN Z14W	133.8	141.1	107.4	25.9	90.2	15.6
PIONEER BRAND 3144W	142.9	147.2	105.2	22.0	81.2	20.1
THE NEW N-K N8565W			103.2	25.6	93.2	7.1
AGRIGOLD A-6796W	118.7	130.4	102.3	24.0	91.5	6.5
FUNK'S G-4660W			100.3	23.3	76.5	8.6
CARGILL 9400W			100.1	23.6	84.2	7.9
SPEC. GRAINS SGI 3100			99.8	20.2	63.2	9.0
ASGROW RX956W	123.2	136.3	98.7	24.8	85.9	4.0
SO. STATES SS917W	124.2	133.2	92.1	23.8	85.9	18.7
ZIMMERMAN Z61W			91.5	20.7	82.9	11.2
SUPER CROST W700	125.2	126.1	85.8	24.1	88.0	15.8
WHITE AVERAGE	128.0	135.6	103.2	23.3	83.2	11.3
GRAND AVERAGE	129.9	136.2	108.6	21.2	84.3	7.7
LSD (0.10)	13.9	15.8	20.3	1.6	7.8	9.1
C.V.			13.9	5.8	6.9	88.4

TABLE 9.—ANNUAL SUMMARY, LEXINGTON

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LOGGED 1990
<u>YELLOW HYBRIDS</u>						
PIONEER BRAND 3295	171.5	219.3	190.6	24.7	98.1	0.0
GARST SEED 8315	161.2	192.7	187.2	25.0	94.4	2.5
COLBERT 324			184.6	24.9	93.5	1.5
JACQUES 8400	146.6	184.4	184.2	25.1	88.4	1.6
PIONEER BRAND 3142			183.3	25.1	94.9	2.9
ZIMMERMAN Z27	155.7	194.5	180.6	25.0	89.8	2.0
SCOTT SEED LR3350			178.8	24.4	88.9	0.0
FUNK'S G-4666	148.1	185.2	178.0	25.1	93.1	0.5
PIONEER BRAND 3140	166.4	204.1	177.6	26.6	87.0	2.2
JACOBI 6720	147.5	186.1	177.1	25.5	81.9	0.0
AGRIGOLD A-6655	148.5	189.6	176.9	24.9	92.6	0.5
COLBERT 326	161.7	198.5	176.8	26.6	89.8	1.5
ASGROW RX911		181.0	175.5	24.3	92.6	0.5
PIONEER BRAND 3165			173.5	31.0	91.7	0.5
JADER 316		170.5	173.2	27.0	94.9	1.0
ASGROW RX908	142.1	180.4	172.7	24.8	94.0	1.0
CROW'S 670		195.0	172.4	27.5	88.9	0.5
HYPERFORMER HS9911			172.1	26.4	92.6	1.0
CALLAHAN C781			172.0	24.9	96.8	0.5
ORO HYBRIDS ORO188			171.2	24.9	90.7	0.5
SO. STATES SS790			171.0	26.4	97.2	0.5
JACOBI 6780			170.9	27.0	93.1	0.0
GARST SEED 8250		186.7	170.6	24.7	98.1	0.5
AGRI GOLD A-6715			168.7	26.2	93.5	0.5
CARGILL 9027		172.5	168.2	28.5	95.4	0.0
TERRA SEEDS TR1190		176.8	168.2	24.9	92.6	1.0
SUPER CROST 1839			167.9	25.0	91.2	0.0
HUBNER SEED H3717			167.7	24.9	89.8	0.5
BECK'S 72X	158.5	196.1	166.2	24.3	96.8	0.5
SO. STATES SS907		174.8	165.7	24.9	92.6	0.5
PIONEER BRAND 3154			165.7	26.2	85.2	1.1
CAVERNDALE FM. CF950		180.4	165.5	28.3	92.1	0.0
PIONEER BRAND 3343	141.0	183.2	165.3	25.7	88.4	0.5
DEKALB DK643			164.7	22.8	93.1	3.4
SCOTT SEED LR3345			164.6	26.4	89.8	1.5
AGRATECH 825	142.9	171.4	164.1	24.6	94.0	0.0
SEEDEX 1155			163.9	24.7	95.8	1.5
CARGILL 8427			163.0	26.6	95.4	2.4
HUBNER SEED H3315			163.0	25.9	93.5	1.5
COLBERT 313	137.5	172.9	162.9	25.7	94.4	0.0
CAVERNDALE FM. CF925		173.8	162.9	25.2	92.6	0.0
GOLDEN ACRES GA9586			161.3	27.6	87.0	2.1
THE NEW N-K N8727		184.8	161.0	27.1	86.6	2.7
CALLAHAN C776			160.9	26.3	94.0	0.5
BO-JAC 905	143.0	179.3	160.8	26.1	94.0	0.0
SEEDEX 1135			160.7	27.3	85.6	1.1
CROW'S 688	134.7	162.8	160.6	24.7	93.5	0.9
MCCURDY 7477		180.1	160.4	25.8	92.6	1.5
ADLERS 6130		179.0	159.6	26.2	89.4	0.0
DEKALB DK711	140.3	176.9	159.5	25.0	93.5	1.0
BO-JAC 601			159.5	26.0	83.8	2.2
TERRA SEEDS TR1180	135.8	173.8	159.0	27.0	91.2	1.1
PRAIRIE STREAM SX726		174.3	159.0	28.2	88.4	1.0
BO-JAC 9250			158.8	27.1	94.4	0.0
SEEDEX 1175			157.7	24.9	86.1	0.0
DEKALB DK689	151.6	185.2	157.4	26.1	80.1	0.6
ASGROW RX947		182.5	157.3	27.9	93.1	0.5
BECK'S 81X			157.3	24.9	80.1	0.0
AGRIGOLD A-6720		176.3	157.1	24.8	91.2	0.5
NOBLEBEAR NB855			156.9	24.9	91.7	0.0
DEKALB DK677		189.2	156.1	25.7	88.4	1.0
AGRATECH 888		176.5	156.0	26.3	87.0	2.6
PRAIRIE STREAM M7000			155.6	25.1	89.8	0.5
SO. STATES SS793			155.3	24.7	93.1	0.5
PIONEER BRAND 3180			155.0	26.2	88.9	0.5
CAVERNDALE FM. CF6065	129.9	161.4	154.3	25.0	79.6	0.0
CAVERNDALE FM. CF975			154.3	24.8	85.6	1.1
STEWART HYBRIDS 8432			154.0	26.7	88.4	1.0
TERRA SEEDS TR1170		173.7	154.0	27.1	83.8	4.0
DEKALB DK715			153.7	25.9	92.6	0.5
ADLERS 88X	140.9	182.6	153.4	24.8	92.1	0.5

TABLE 9.—LEXINGTON (continued)

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS						
TERRA SEEDS TR367E			153.3	31.2	85.6	1.2
ORO HYBRIDS ORO180	145.4	175.2	153.2	24.6	88.4	5.4
GLICK SEED GH75X			173.6	25.4	86.1	1.1
AGRATECH GK900	129.7	161.8	152.2	28.1	90.3	2.7
BECK'S 83X	141.9	181.4	152.2	25.5	96.3	1.0
JACQUES 8210	135.2	177.6	151.9	26.2	94.9	2.4
CROW'S 682			151.9	24.1	88.0	0.5
HYPERFORMER HS9773			151.8	24.4	85.2	0.0
FUNK'S G-4543			151.7	23.6	87.5	1.6
CARGILL 9427	136.5	169.8	151.3	27.9	89.8	1.0
UN. AGRI PR. UAPX50001			150.9	24.7	93.1	1.0
SO. STATES SS847		168.5	150.8	26.1	94.0	0.0
PRAIRIE STREAM SX702	141.4	182.3	150.6	24.2	92.6	0.5
MCCURDY 7777	141.6	169.1	149.8	28.3	88.9	1.6
SUPER CROST 7810			149.6	25.0	85.6	0.5
FR27 X PA91	143.1	179.4	149.0	24.8	89.4	4.1
THE NEW N-K N6330			148.5	23.5	93.1	0.0
JADER 115			147.3	24.4	91.2	2.0
STEWART HYBRIDS 9012			147.0	23.9	88.9	0.5
UN. AGRI PR. UAPX5003			146.7	26.4	82.4	1.1
CROW'S 669		165.0	146.4	24.9	92.6	1.0
SO. CROSS 711			146.3	27.3	87.0	0.5
JACQUES 8510			146.0	24.2	94.9	1.4
HYPERFORMER HS97	131.9	164.1	145.9	23.4	91.7	1.1
GOLDEN AC. T-E 6996	141.2	167.7	145.3	27.0	85.6	1.1
UN. AGRI PR. UAPX5002			145.2	25.7	92.6	2.0
FR27 X MO17	133.8	173.3	145.2	24.3	86.6	3.9
THE NEW N-K C8625			144.4	24.2	93.5	2.0
MCCURDY 7660			144.3	25.4	82.9	1.7
STEWART HYBRIDS 8815	133.2	166.2	143.3	29.7	93.1	1.5
SO. CROSS 411	130.2	163.9	142.6	26.8	88.4	0.5
JACOBI 6901			142.2	25.6	78.2	1.2
ZIMMERMAN Z20		172.1	140.7	26.7	81.0	0.6
SO. CROSS 511	131.8	155.5	138.8	24.6	90.3	1.1
ZIMMERMAN Z36		167.9	138.2	24.5	92.6	0.0
JACQUES 7910			137.0	25.8	91.7	0.5
GLICK SEED GH82X		166.0	135.4	26.8	86.1	1.9
GOLDEN ACRES GA8559		164.6	134.8	24.8	88.4	0.0
SO. CROSS 611		175.9	134.4	24.9	81.5	1.6
CALLAHAN C773A			134.3	24.9	96.8	1.4
STEWART HYBRIDS 37L3L			131.0	24.0	85.6	2.2
SCOTT SEED LR5241		157.3	130.3	25.1	85.2	3.3
FR27 X LH38	113.2	145.9	117.5	23.6	82.9	1.1
JACOBI 8901		153.3	117.0	25.7	56.9	1.4
GLICK SEED GH80X	127.6	160.6	111.1	24.6	66.2	0.0
YELLOW AVERAGE	142.4	176.3	157.0	25.7	89.7	1.1
WHITE HYBRIDS						
CARGILL 9400W			171.9	25.0	95.4	1.9
SO. STATES SS917W	155.1	187.8	166.2	25.1	92.6	1.0
HUBNER SEED H8819W			164.2	27.5	92.6	1.4
FUNK'S G-4660W			160.2	27.2	86.6	1.6
AGRIGOLD A-6796W	144.3	179.1	159.2	27.5	95.8	2.4
ZIMMERMAN Z61W			158.3	24.8	81.0	2.3
ASGROW RX956W	143.8	173.3	156.9	28.8	96.3	2.4
PIONEER BRAND 3144W	153.6	182.5	151.0	27.3	90.7	4.8
THE NEW N-K N8565W			150.4	27.8	92.1	1.5
SUPER CROST W707	133.7	171.7	146.2	27.7	95.8	3.4
SUPER CROST W707			146.0	27.9	95.8	2.8
NOBLEBEAR NBX720W			139.3	24.6	93.1	0.9
SPEC. GRAINS SGI 1300		164.3	135.8	26.6	90.7	4.6
ZIMMERMAN Z14W	129.3	160.8	135.6	28.1	95.8	2.9
SPEC. GRAINS SGI 3100			124.1	25.7	59.3	0.8
WHITE AVERAGE	143.3	174.2	151.0	26.8	90.2	2.3
GRAND AVERAGE	142.5	176.1	156.3	25.8	89.7	1.2
LSD (0.10)	11.5	14.5	19.4	2.7	7.5	2.2
C.V.			9.3	7.9	6.2	136.0

TABLE 10.—ANNUAL SUMMARY, QUICKSAND

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS						
ASGROW RX908	154.9	178.1	191.3	25.9	94.4	7.8
COLBERT 313	156.6	182.2	188.1	22.9	96.8	4.7
THE NEW N-K N8727		177.2	187.6	25.5	94.0	0.9
COLBERT 326	150.4	168.6	185.0	24.8	95.8	9.3
BECK'S 72X	156.4	179.1	183.6	23.8	90.7	0.5
PRAIRIE STREAM SX702	159.6	183.3	183.4	24.3	95.4	2.0
PIONEER BRAND 3343	155.1	175.5	182.4	21.3	91.2	0.0
FR27 X PA91	159.0	176.7	180.2	28.4	96.3	1.0
BO-JAC 905	148.5	154.0	179.1	24.9	89.4	2.5
GARST SEED 8315	160.8	183.9	178.5	27.2	93.5	11.9
STEWART HYBRIDS 8432			178.5	25.9	96.8	8.1
AGRI GOLD A-6715			178.2	24.7	98.1	0.0
MCCURDY 7660			177.9	24.7	91.7	3.0
ADLERS 88X	151.0	172.3	177.6	27.3	88.4	1.0
CARGILL 9027		181.4	177.6	25.2	95.4	2.4
PIONEER BRAND 3295	160.7	186.6	177.4	24.3	92.6	0.0
HUBNER SEED H3717			177.4	27.2	84.3	2.1
JACQUES 8400	146.4	166.9	177.0	26.0	80.6	10.6
PIONEER BRAND 3142			176.9	26.9	91.7	0.5
PIONEER BRAND 3140	157.2	168.7	176.5	23.8	93.1	2.0
SO. STATES SS790			175.8	24.3	88.0	1.7
GOLDEN ACRES GA9586			175.5	25.8	90.3	13.1
CROW'S 682			175.1	23.8	92.1	3.0
ASGROW RX947		179.2	174.3	30.1	90.7	5.4
BO-JAC 601			174.1	24.5	92.6	0.5
SO. STATES SS793			173.8	22.9	92.6	3.0
CALLAHAN C781			173.7	25.0	98.6	4.2
SCOTT SEED LR3350			173.7	25.0	94.4	1.5
GLICK SEED GH80X	147.3	168.6	173.5	23.6	87.0	2.1
HYPERFORMER HS97	152.8	167.6	173.5	23.0	94.4	1.5
UN. AGRI PR. UAPX50001			173.0	23.4	91.2	5.5
FUNK'S G-4543			172.9	23.6	105.6	6.2
TERRA SEEDS TR1180	156.9	165.8	172.7	26.6	92.1	8.3
SO. CROSS 411	138.4	162.3	172.4	23.4	94.9	1.5
JACQUES 8510			172.3	25.0	95.4	13.2
HYPERFORMER HS9773			172.1	23.7	92.6	5.1
FUNK'S G-4666	151.8	166.1	171.6	26.3	92.6	2.4
CALLAHAN C773A			171.0	24.1	91.7	1.0
MCCURDY 7777	159.1	159.7	170.6	24.9	91.7	7.0
DEKALB DK711	150.1	173.4	170.4	26.2	92.6	3.0
THE NEW N-K N6330			169.5	21.5	93.1	1.4
UN. AGRI PR. UAPX5002			169.4	24.5	86.6	5.8
JACQUES 8210	136.5	163.8	167.9	24.7	93.1	10.4
SO. CROSS 611		170.5	167.5	23.6	85.2	1.1
CROW'S 670		162.0	167.5	24.6	89.4	2.0
SEEDEX 1135			166.5	26.1	87.5	4.2
PIONEER BRAND 3165			166.3	26.4	89.4	2.0
COLBERT 324			166.2	24.9	92.1	1.0
SCOTT SEED LR3345			165.6	24.5	83.8	1.2
GARST SEED 8250		161.4	165.5	24.6	94.4	0.5
TERRA SEEDS TR1190		159.8	165.4	26.6	88.0	8.3
JACOBI 6901			165.4	24.2	85.6	2.8
SO. CROSS 711			165.1	23.6	88.4	1.6
UN. AGRI PR. UAPX5003			165.1	25.5	80.1	10.8
AGRIGOLD A-6720		168.4	165.0	24.1	95.4	0.5
AGRATECH 825	146.9	168.0	164.8	24.7	93.5	0.5
MCCURDY 7477		162.1	164.7	24.3	93.1	1.9
CARGILL 8427			164.6	24.4	95.8	1.9
NOBLEBEAR NB855			164.4	25.4	93.5	1.9
BECK'S 81X			163.9	24.1	81.5	0.0
BO-JAC 9250			163.6	25.7	94.9	0.0
CARGILL 9427	160.0	170.4	163.3	26.3	88.9	4.7
ZIMMERMAN Z20		157.4	163.1	24.7	89.4	0.5
JADER 316		154.4	163.0	24.3	92.6	2.5
HYPERFORMER HS9911			162.9	25.2	94.4	2.8
DEKALB DK715			162.8	27.2	90.7	0.5
ZIMMERMAN Z27	147.3	164.7	162.8	26.4	88.4	9.3
AGRATECH GK900	134.2	150.2	162.7	27.5	90.3	7.6
BECK'S 83X	135.8	162.0	162.5	24.7	89.8	0.5
SUPER CROST 1839			162.4	27.6	91.2	0.5
DEKALB DK689	144.5	152.5	162.2	27.7	94.0	1.0

TABLE 10.—QUICKSAND (continued)

BRAND/HYBRID	YIELD BU/AC 88-90	YIELD BU/AC 89-90	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
YELLOW HYBRIDS						
SUPER CROST 7810			162.2	26.4	92.6	0.5
JADER 115			161.6	23.4	88.4	0.0
DEKALB DK677		168.2	161.5	23.8	92.6	1.0
STEWART HYBRIDS 8815	151.1	160.5	161.4	26.5	91.7	5.2
DEKALB DK643			161.3	22.2	84.3	2.8
CAVERNDALE FM. CF975			161.2	24.7	92.6	1.5
FR27 X MO17	140.8	162.4	160.2	23.7	91.7	5.8
SO. STATES SS847		154.3	159.4	27.9	98.1	0.5
JACOBI 8901		134.3	158.6	25.1	90.7	8.3
CAVERNDALE FM. CF925		152.9	158.5	23.6	93.5	3.0
JACQUES 7910			158.3	24.9	88.9	13.1
CROW'S 688	138.4	149.7	158.2	24.4	88.4	3.6
ADLERS 6130		157.3	158.2	23.8	89.8	0.5
HUBNER SEED H3315			156.7	23.5	83.8	7.0
ASGROW RX911		156.5	156.0	26.2	88.0	4.8
GLICK SEED GH75X		165.4	156.0	23.6	85.6	2.1
SCOTT SEED LR5241		153.2	156.0	23.0	88.0	1.6
ZIMMERMAN Z36		156.6	155.7	23.9	94.9	0.5
JACOBI 6720	137.7	145.7	155.6	26.9	85.6	5.6
CALLAHAN C776			155.6	24.7	93.5	9.3
SO. STATES SS907		149.1	155.3	27.4	96.8	0.0
THE NEW N-K C8625			155.0	25.4	94.0	10.6
CAVERNDALE FM. CF6065	131.6	145.6	154.6	25.0	86.6	18.2
SEDEX 1155			154.1	24.3	91.7	0.9
PIONEER BRAND 3154			153.1	25.6	87.0	0.6
GOLDEN ACRES GA8559		125.3	153.1	26.0	88.4	2.5
TERRA SEEDS TR1170		154.7	152.0	25.5	81.9	2.1
CAVERNDALE FM. CF950		156.5	151.4	25.8	87.0	0.5
AGRIGOLD A-6655	139.9	154.6	150.2	24.0	91.7	5.6
STEWART HYBRIDS 37L3L			150.0	23.6	81.0	2.8
PRAIRIE STREAM M7000			149.1	25.1	80.1	2.5
PRAIRIE STREAM SX726		164.6	148.5	29.0	87.0	1.1
SEDEX 1175			148.1	25.4	83.3	1.6
ORO HYBRIDS ORO188			147.6	26.9	88.0	8.8
AGRATECH 888		145.9	147.5	24.7	89.4	12.2
GLICK SEED GH82X		168.7	147.0	26.1	80.1	0.0
FR27 X LH38	125.4	142.3	146.4	18.9	84.7	0.0
ORO HYBRIDS ORO180	147.6	156.4	144.5	22.6	89.8	11.6
TERRA SEEDS TR367E			144.5	27.3	88.4	0.0
GOLDEN AC. T-E 6996	132.6	139.1	144.0	28.3	83.3	2.2
JACOBI 6780			141.7	27.2	77.8	0.5
STEWART HYBRIDS 9012			140.0	22.7	90.3	5.4
PIONEER BRAND 3180			139.8	27.2	83.8	4.1
SO. CROSS 511	127.3	137.5	138.1	25.3	87.0	3.6
CROW'S 669		139.1	137.0	24.8	91.7	14.0
YELLOW AVERAGE	147.2	161.4	164.2	25.1	90.4	3.7
WHITE HYBRIDS						
ASGROW RX956W	152.9	166.2	175.5	28.2	94.0	4.0
SUPER CROST W707			175.3	28.6	92.6	1.0
HUBNER SEED H8819W			170.3	29.3	84.3	2.8
NOBLEBEAR NBX720W			170.1	24.1	90.3	8.9
SO. STATES SS917W	153.0	166.4	166.6	28.8	95.4	0.5
ZIMMERMAN Z61W			166.0	27.2	89.4	0.0
AGRIGOLD A-6796W	130.1	147.4	163.9	29.0	94.9	1.5
ZIMMERMAN Z14W	156.4	167.6	163.8	29.9	88.9	0.5
PIONEER BRAND 3144W	144.0	159.4	158.3	23.7	88.4	0.0
FUNK'S G-4660W			149.4	29.2	84.7	2.6
THE NEW N-K N8565W			149.4	30.9	89.8	7.4
SUPER CROST W700	138.0	153.3	146.4	29.9	93.1	4.4
CARGILL 9400W			146.0	29.7	94.0	3.0
SPEC. GRAINS SGI 1300		140.6	144.7	23.1	83.3	10.9
SPEC. GRAINS SGI 3100			111.9	23.3	55.1	6.7
WHITE AVERAGE	145.7	157.3	157.2	27.7	87.9	3.6
GRAND AVERAGE	147.0	161.0	163.4	25.4	90.1	3.7
LSD (0.01)	15.7	18.2	23.3	2.1	8.1	7.1
C.V.			10.6	6.2	6.7	141.7

**TABLE 11.—ANNUAL SUMMARY, ALL NON-VIRUS LOCATIONS,
1990**

BRAND/HYBRID	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
<u>YELLOW HYBRIDS</u>				
ZIMMERMAN Z27	131.8	24.0	87.3	4.5
CARGILL 9027	130.1	24.4	89.8	1.8
GARST SEED 8315	129.1	23.7	87.1	9.1
SO. STATES SS790	129.0	22.5	88.6	3.2
COLBERT 326	128.4	23.1	86.2	7.3
PIONEER BRAND 3140	128.1	22.3	85.3	3.0
BECK'S 72X	127.9	21.3	87.1	9.0
PRAIRIE STREAM SX702	127.7	21.4	88.3	10.2
PIONEER BRAND 3295	127.2	21.9	91.1	2.6
PIONEER BRAND 3154	126.8	23.6	84.6	8.7
ADLERS 6130	126.7	21.9	85.2	2.4
GARST SEED 8250	126.4	22.4	90.2	0.9
DEKALB DK711	126.3	23.6	88.5	1.9
ASGROW RX908	125.9	23.4	87.5	3.7
PIONEER BRAND 3165	125.1	26.5	84.8	2.2
DEKALB DK643	124.8	20.0	85.2	3.2
PIONEER BRAND 3343	124.7	21.6	86.5	1.7
UN. AGRI PR. UAPX50001	124.6	21.7	85.3	2.9
CAVERNDAL FM. CF950	124.6	24.3	83.9	1.4
SCOTT SEED LR3350	124.3	22.8	86.0	2.1
BO-JAC 905	124.0	23.7	86.2	1.9
COLBERT 324	123.9	23.0	88.5	1.6
MCCURDY 7777	123.8	23.5	85.5	5.9
FUNK'S G-4666	123.8	23.4	88.7	1.9
PIONEER BRAND 3142	123.4	23.6	88.2	4.4
BO-JAC 9250	123.4	23.5	88.8	1.1
SEDEX 1135	123.2	23.5	83.7	3.5
CROW'S 688	123.2	22.4	83.9	7.0
TERRA SEEDS TR1180	123.0	23.4	86.8	2.3
STEWART HYBRIDS 8432	122.9	23.7	86.2	2.5
UN. AGRI PR. UAPX5002	122.8	22.9	89.7	2.2
GOLDEN ACRES GA9586	122.5	24.3	88.7	6.3
ASGROW RX947	122.3	25.8	85.9	2.5
CARGILL 8427	122.1	22.9	89.4	1.5
THE NEW N-K N8727	122.1	24.9	85.6	1.3
CALLAHAN C776	122.1	22.7	89.6	2.3
DEKALB DK715	121.4	24.0	86.3	2.1
JACQUES 8400	121.2	24.0	83.6	9.9
CALLAHAN C781	121.0	23.2	87.1	2.1
BECK'S 81X	120.8	22.6	80.8	0.7
SO. STATES SS793	120.8	22.5	87.2	0.9
AGRATECH 825	120.5	22.8	87.0	1.3
CROW'S 670	120.5	23.6	82.7	2.8
HYPERFORMER HS9773	120.3	21.3	86.0	9.9
AGRI GOLD A-6715	119.9	23.1	87.2	2.8
COLBERT 313	119.9	22.1	89.5	1.9
AGRIGOLD A-6655	119.8	22.4	85.0	3.7
JACOBI 6720	119.7	23.6	79.5	1.7
JACQUES 8510	119.6	22.9	90.0	6.5
AGRATECH GK900	119.6	24.4	84.7	6.0
MCCURDY 7477	119.5	22.5	89.7	1.0
CAVERNDAL FM. CF925	119.3	22.4	89.0	0.8
DEKALB DK677	119.3	22.6	89.1	1.0
JACQUES 8210	119.2	23.2	88.3	3.9
FR27 X M017	119.1	21.9	84.3	4.5
ORO HYBRIDS ORO188	118.8	23.6	85.0	8.1
AGRIGOLD A-6720	118.8	22.8	87.1	2.1
FUNK'S G-4543	118.8	21.6	89.0	1.9
HUBNER SEED H3717	118.8	23.4	81.2	1.4
TERRA SEEDS TR1170	118.5	23.1	79.2	2.4
CROW'S 682	118.3	21.2	82.3	3.7
JACOBI 6780	118.2	23.2	86.5	1.5
ADLERS 88X	117.9	24.4	86.1	6.7
PIONEER BRAND 3180	117.9	23.0	86.2	2.8
THE NEW N-K C8625	117.8	22.3	88.1	2.9
TERRA SEEDS TR367E	117.8	25.7	80.7	1.4
JADER 316	117.7	22.1	88.2	2.5
BO-JAC 601	117.4	23.0	81.7	2.8
FR27 X PA91	117.3	24.7	89.4	5.2
ORO HYBRIDS ORO180	117.2	21.4	84.2	9.4

TABLE 11.—NON-VIRUS LOCATIONS (continued)

BRAND/HYBRID	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990
<u>YELLOW HYBRIDS</u>				
SO. CROSS 411	116.9	22.1	88.4	0.8
NOBLEBEAR NB855	116.4	23.0	87.0	1.6
SEDEX 1155	116.4	22.6	84.8	1.7
SO. CROSS 711	116.2	22.0	82.0	1.6
BECK'S 83X	115.8	22.7	89.2	1.2
JACQUES 7910	115.7	22.2	82.7	3.6
ASGROW RX911	115.7	23.0	84.2	2.7
DEKALB DK689	115.5	24.3	82.7	7.5
AGRATECH 888	115.4	23.0	82.9	3.8
SO. STATES SS907	115.4	23.7	86.5	1.7
SO. STATES SS847	115.1	23.6	87.0	0.8
JADER 115	115.0	21.8	83.5	2.5
SO. CROSS 611	115.0	21.8	76.9	9.1
CAVERNDAL FM. CF6065	114.9	23.1	75.3	4.9
SUPER CROST 1839	114.6	24.1	85.4	1.5
MCCURDY 7660	114.4	22.9	79.7	2.4
SEDEX 1175	114.2	22.9	82.8	1.8
STEWART HYBRIDS 8815	113.6	25.2	88.4	2.6
TERRA SEEDS TR1190	113.6	23.4	85.4	5.4
CALLAHAN C773A	113.5	21.7	88.3	2.9
JACOBI 6901	113.5	21.2	74.2	9.6
CROW'S 669	113.4	22.9	86.0	4.1
HUBNER SEED H3315	113.3	22.1	82.8	2.5
SCOTT SEED LR3345	113.3	23.1	81.3	2.2
GOLDEN AC. T-E 6996	113.2	24.3	84.3	6.7
SUPER CROST 7810	112.6	24.0	83.5	3.7
STEWART HYBRIDS 9012	112.6	21.7	82.0	3.2
GOLDEN ACRES GA8559	112.5	23.1	87.3	1.3
JACOBI 8901	112.4	23.2	78.4	3.9
HYPERFORMER HS9911	112.0	23.0	86.5	2.3
SO. CROSS 511	111.6	22.4	84.4	5.9
ZIMMERMAN Z20	111.4	23.3	80.7	2.9
STEWART HYBRIDS 37L3L	111.2	21.3	80.0	3.7
GLICK SEED GH80X	111.1	22.5	81.9	1.6
UN. AGRI PR. UAPX5003	110.9	23.6	76.5	5.3
CARGILL 9427	110.7	24.5	82.3	4.4
CAVERNDAL FM. CF975	110.5	22.8	84.2	2.3
THE NEW N-K N6330	110.3	20.0	88.1	1.3
GLICK SEED GH75X	110.0	21.7	79.7	2.1
GLICK SEED GH82X	110.0	23.3	82.1	3.4
PRAIRIE STREAM SX726	109.9	25.3	84.5	2.3
ZIMMERMAN Z36	109.6	22.3	90.0	2.7
PRAIRIE STREAM M7000	109.5	23.5	81.2	1.4
HYPERFORMER HS97	107.5	22.2	86.3	3.9
SCOTT SEED LR5241	104.9	22.7	78.8	5.0
FR27 X LH38	102.1	19.5	80.6	3.5
YELLOW AVERAGE	118.5	23.0	85.2	3.4
<u>WHITE HYBRIDS</u>				
NOBLEBEAR NBX720W	119.0	22.4	82.3	5.5
ASGROW RX956W	118.4	25.8	88.2	3.9
SUPER CROST W707	116.8	26.4	87.2	4.1
HUBNER SEED H8819W	116.5	26.1	84.7	4.3
AGRIGOLD A-6796W	115.9	25.5	91.9	5.6
CARGILL 9400W	115.5	25.2	87.9	4.0
SO. STATES SS917W	115.0	25.1	86.2	7.2
SPEC. GRAINS SGI 1300	114.0	23.1	80.9	8.6
ZIMMERMAN Z61W	113.0	23.1	82.0	3.0
PIONEER BRAND 3144W	112.1	23.1	82.7	5.2
FUNK'S G-4660W	109.5	25.9	81.4	4.4
THE NEW N-K N8565W	108.4	26.6	86.3	3.1
ZIMMERMAN Z14W	106.4	26.7	85.6	6.9
SUPER CROST W700	103.5	26.0	88.5	9.5
SPEC. GRAINS SGI 3100	95.3	23.1	61.7	6.0
WHITE AVERAGE	112.0	24.9	83.8	5.4
GRAND AVERAGE	117.7	23.2	85.0	3.6
LSD (0.10)	8.8	0.9	3.4	2.3

**TABLE 12.—TWO-YEAR SUMMARY, SIX NON-VIRUS LOCATIONS,
1989-1990.**

BRAND/HYBRID	YIELD BU/AC 89-90	AVG % MOIST 89-90	AVG % STAND 89-90	TOT % LODGED 89-90
YELLOW HYBRIDS				
PIONEER BRAND 3295	152.2	20.2	85.9	2.4
GARST SEED 8315	150.8	21.4	85.4	5.8
CARGILL 9027	149.9	22.3	86.1	1.6
BECK'S 72X	149.4	20.2	85.8	7.7
PIONEER BRAND 3140	149.1	20.9	82.5	2.9
PRAIRIE STREAM SX702	147.9	20.0	85.9	8.1
ZIMMERMAN Z27	145.5	21.9	85.6	4.4
COLBERT 326	144.7	21.1	83.7	5.5
DEKALB DK677	144.2	21.0	87.5	1.2
ADLERS 6130	144.2	20.5	84.0	2.6
DEKALB DK711	143.9	22.3	84.3	1.9
ASGROW RX908	143.9	21.7	84.3	3.3
THE NEW N-K N8727	143.8	22.8	84.3	2.1
ASGROW RX947	143.7	23.8	81.7	2.6
PIONEER BRAND 3343	143.7	19.6	83.6	1.9
GARST SEED 8250	143.5	21.1	86.9	1.1
FUNK'S EX7051X	143.4	22.8	86.9	1.0
FR27 X PA91	142.0	23.0	85.1	4.8
CAVERNDALE FM. CF950	141.0	22.8	82.2	2.3
JACQUES 8210	140.7	21.6	85.7	2.8
AGRIGOLD A-6720	140.3	21.4	87.5	1.6
MCCURDY 7777	140.3	21.7	78.5	4.3
FR27 X M017	139.6	20.7	82.5	3.9
FUNK'S G-4666	139.6	21.8	86.3	1.7
BO-JAC 905	139.5	21.6	82.2	2.1
CARGILL 9427	139.5	22.1	82.2	3.3
ADLERS 88X	139.3	22.7	85.7	4.9
JACQUES 8400	139.1	22.9	82.1	6.6
AGRIGOLD A-6655	138.9	20.9	83.4	3.1
CROW'S 670	138.7	21.6	79.9	3.0
COLBERT 313	138.2	20.4	87.1	2.1
MCCURDY 7477	138.0	21.2	86.0	1.4
TERRA SEEDS TR1180	137.7	21.7	83.1	1.9
ORO HYBRIDS ORO180	137.5	20.2	82.4	5.9
BECK'S 83X	137.2	21.6	86.0	2.3
SO. CROSS 611	136.3	20.4	76.4	8.8
AGRATECH 825	136.3	21.5	85.3	1.4
GLICK SEED GH80X	136.0	21.1	83.7	2.1
TERRA SEEDS TR1170	136.0	21.6	81.3	2.1
GLICK SEED GH82X	135.2	21.6	83.2	3.7
DEKALB DK689	135.0	21.7	80.2	4.8

BRAND/HYBRID	YIELD BU/AC 89-90	AVG % MOIST 89-90	AVG % STAND 89-90	TOT % LODGED 89-90
YELLOW HYBRIDS				
PRAIRIE STREAM SX726	135.0	23.0	82.6	2.5
STEWART HYBRIDS 8815	134.5	22.4	86.1	2.2
CAVERNDALE FM. CF925	134.4	20.8	84.9	1.2
AGRATECH GK900	133.9	22.7	80.4	4.1
ASGROW RX911	133.5	21.4	82.2	2.2
ZIMMERMAN Z20	133.4	21.3	79.7	2.4
GLICK SEED GH75X	132.8	20.4	80.7	2.3
CROW'S 688	132.8	21.1	79.1	4.7
ZIMMERMAN Z36	131.6	20.9	87.3	2.4
GOLDEN AC. T-E 6996	131.3	23.1	81.4	4.5
SO. STATES SS847	131.0	21.6	83.8	1.3
JACOBI 6720	130.8	22.4	75.3	2.4
SO. CROSS 411	130.5	20.5	84.1	1.1
TERRA SEEDS TR1190	130.4	21.5	80.2	3.6
SO. STATES SS907	130.3	22.0	83.1	1.3
AGRATECH 888	130.0	21.4	81.6	3.5
JADER 316	129.5	20.4	82.0	2.2
HYPERFORMER HS97	128.2	21.0	84.6	3.6
CROW'S 669	127.7	21.4	81.7	3.0
SCOTT SEED LR5241	127.5	21.0	78.6	4.1
CAVERNDALE FM. CF6065	127.1	22.0	75.4	3.6
SO. CROSS 511	124.6	21.2	77.4	4.3
GOLDEN ACRES GA8559	124.5	21.3	79.4	1.7
JACOBI 8901	124.4	21.6	77.6	2.5
FR27 X LH38	115.3	18.7	77.4	3.4
YELLOW AVERAGE	136.9	21.5	82.8	3.1
WHITE HYBRIDS				
PIONEER BRAND 3144W	140.2	21.4	81.5	5.3
SO. STATES SS917W	139.4	23.7	85.0	5.6
ASGROW RX956W	137.6	23.7	85.1	3.9
SPEC. GRAINS SGI 1300	135.2	21.4	80.5	5.8
AGRIGOLD A-6796W	133.3	23.1	86.9	5.0
ZIMMERMAN Z14W	131.4	24.5	84.1	5.3
SUPER CROST W700	128.9	23.7	82.7	6.5
WHITE AVERAGE	135.1	23.1	83.7	5.3
GRAND AVERAGE	136.8	21.6	82.9	3.3
LSD (0.10)	6.6	0.5	2.9	1.4

TABLE 13.—THREE-YEAR SUMMARY, SIX NON-VIRUS LOCATIONS, 1989-1990.

BRAND/HYBRID	YIELD BU/AC 88-90	AVG % MOIST 88-90	AVG % STAND 88-90	TOT % LODGED 88-90
<u>YELLOW HYBRIDS</u>				
PIONEER BRAND 3140	138.2	20.5	81.9	2.8
GARST SEED 8315	137.6	20.5	85.8	7.1
PIONEER BRAND 3295	135.3	20.1	86.0	3.1
COLBERT 326	134.5	20.3	84.9	6.3
MCCURDY 7777	133.7	21.3	81.1	3.9
PRAIRIE STREAM SX702	133.0	19.4	85.7	9.5
BECK'S 72X	132.5	19.9	86.1	7.4
ZIMMERMAN Z27	131.0	21.0	86.1	7.0
ASGROW RX908	130.9	21.0	83.1	3.0
FUNK'S G-4666	129.2	21.1	86.8	2.0
DEKALB DK711	129.2	21.5	83.7	3.0
CARGILL 9427	129.0	21.6	82.5	4.7
TERRA SEEDS TR1180	128.1	21.1	83.9	2.3
FR27 X PA91	127.7	22.0	83.5	5.6
PIONEER BRAND 3343	127.7	19.3	83.5	2.1
BO-JAC 905	127.4	21.1	79.8	2.0
JACQUES 8400	125.9	22.1	84.0	8.0
ORO HYBRIDS ORO180	125.3	19.4	83.5	6.6
DEKALB DK689	125.2	21.2	81.9	5.1
AGRIGOLD A-6655	125.1	20.5	82.7	3.4
ADLERS 88X	124.3	21.6	85.5	5.0
GOLDEN AC. T-E 6996	124.0	22.2	81.4	4.9
STEWART HYBRIDS 8815	123.1	21.8	86.2	2.5
BECK'S 83X	123.1	20.9	85.3	2.8
AGRATECH 825	122.5	20.8	85.2	2.6
JACQUES 8210	122.5	20.8	84.9	4.0
AGRATECH GK900	122.4	22.0	78.0	5.4
FR27 X M017	122.2	19.7	82.3	4.7
GLICK SEED GH80X	121.7	20.2	84.9	2.9
COLBERT 313	121.3	19.8	85.6	2.3
CROW'S 688	121.2	20.5	80.1	6.8
HYPERVERFORMER HS97	121.2	20.5	81.7	3.1
JACOBI 6720	120.2	21.4	77.5	3.3
CAVERNDAL FM. CF6065	117.7	21.5	76.4	4.2
SO. CROSS 511	117.1	20.4	79.1	4.6
SO. CROSS 411	115.5	19.8	83.2	3.1
FR27 X LH38	103.9	18.4	77.4	3.9
YELLOW AVERAGE	125.7	20.8	83.0	4.3
<u>WHITE HYBRIDS</u>				
PIONEER BRAND 3144W	130.3	20.9	81.8	5.1
SO. STATES SS917W	124.3	23.0	84.8	6.6
ASGROW RX956W	122.8	23.0	85.0	4.7
ZIMMERMAN Z14W	121.8	23.7	84.4	6.8
SUPER CROST W700	117.6	22.9	84.3	8.0
AGRIGOLD A-6796W	116.7	22.6	86.5	5.2
WHITE AVERAGE	122.3	22.7	84.5	6.1
GRAND AVERAGE	125.2	21.0	83.2	4.5
LSD (0.10)	5.4	0.4	2.4	1.4

TABLE 14.—CORN VIRUS TEST, FRANKFORT

BRAND/HYBRID	YIELD BU/AC 1990	AVG % MOIST 1990	AVG % STAND 1990	TOT % LODGED 1990	VIRUS RATING 1990
<u>YELLOW HYBRIDS</u>					
JACOBI 9250	72.1	35.0	73.6	0.0	1.0
DEKALB DK649	55.3	35.0	81.0	0.6	1.1
UN. AGRI PR. UAPX5004	64.3	35.0	72.2	2.9	1.2
CAVERDALE FM. CF900	73.0	35.0	75.5	1.9	1.3
CROW'S 675	48.4	35.0	69.0	3.6	1.3
DEKALB DK689	78.3	35.0	73.1	0.0	1.3
PIONEER BRAND 3154	82.6	35.0	72.2	2.1	1.3
ASGROW X9199	82.9	35.0	66.7	3.1	1.4
BECK'S 85MDM	53.4	35.0	54.6	4.6	1.4
DEKALB DK789	63.0	35.0	70.8	1.3	1.4
HUBNER SEED H9019	47.1	35.0	81.0	1.7	1.4
JACQUES 8250	78.3	35.0	72.7	3.3	1.4
JACQUES 9220	67.6	35.0	76.4	0.7	1.4
ORO HYBRIDS ORO151	68.0	35.0	53.7	3.9	1.4
PIONEER BRAND 3147	73.2	35.0	71.8	2.7	1.4
GOLDEN AC. T-E 6997	78.0	35.0	75.9	2.8	1.5
HYPERFORMER HS97	61.3	35.0	79.2	7.3	1.5
JACOBI 9251	44.5	35.0	57.4	4.3	1.5
ORO HYBRIDS ORO188	79.1	35.0	86.1	1.1	1.5
SO. STATES SS844V	74.7	35.0	74.1	2.2	1.5
ZIMMERMAN Z35	51.5	35.0	73.6	2.8	1.5
AGRATECH 888	63.5	35.0	80.1	3.4	1.6
HYPERFORMER HS60	51.4	35.0	64.8	12.8	1.6
JACOBI 9200	66.0	35.0	63.0	1.3	1.6
THE NEW N-K X758	68.8	35.0	86.6	1.1	1.6
CARGILL 8527	59.2	35.0	64.4	1.9	1.7
SCOTT SEED LR5272	49.6	35.0	57.4	0.0	1.7
ASGROW RX911	52.2	35.0	80.1	4.3	1.8
HUBNER SEED H3519	72.9	35.0	74.5	10.3	1.8
HYPERFORMER HS9911	62.0	35.0	77.3	2.3	1.8
JACOBI 8950	60.4	35.0	55.1	5.8	1.8
CHECK HYBRID YELLOW	52.7	35.0	79.6	1.2	1.9
HUBNER SEED H3717	55.0	35.0	60.2	2.3	1.9
MCCURDY 7777	54.6	35.0	66.7	2.1	1.9
PIONEER BRAND 3187	77.3	35.0	74.1	0.6	1.9
AGRATECH 891	61.3	35.0	73.6	2.6	2.0
BO-JAC 905	58.6	35.0	79.2	6.4	2.0
DEKALB DK643	55.5	35.0	65.7	2.1	2.0
SUPER CROST 7195	59.8	35.0	77.3	2.1	2.0
GOLDEN ACRES GA9586	56.3	35.0	50.5	3.3	2.1
SUPER CROST EX1680	54.2	35.0	72.7	10.3	2.1
THE NEW N-K S8645	60.4	35.0	65.3	2.8	2.1
FUNK'S G-4680	64.1	35.0	76.9	4.8	2.2
JACQUES 8510	62.0	35.0	78.2	4.9	2.2
TERRA SEEDS TR1180	60.0	35.0	77.3	2.5	2.2
FUNK'S G-4666	58.2	35.0	65.7	4.3	2.3
SO. STATES SS934V	57.0	35.0	60.2	8.7	2.3
SO. STATES EX19418V	50.6	35.0	69.9	9.7	2.4
AGRATECH GK900	51.5	35.0	65.3	13.1	2.5
GARST SEED 8180	51.5	35.0	73.1	4.7	2.7
YELLOW AVERAGE	62.1	35.0	70.9	3.7	1.7
<u>WHITE HYBRIDS</u>					
AGRIGOLD A-6796W	65.7	35.0	77.3	1.2	1.2
CHECK HYBRID WHITE	79.0	35.0	84.3	7.7	1.7
WHITE AVERAGE	72.3	35.0	80.8	4.4	1.4
GRAND AVERAGE	62.4	35.0	71.2	3.8	1.7